STACK INFRASTRUCTURES

Via Lombardia 1, Siziano, Milan, Italy

MIL07

LIGHTING SYSTEM CALCULATION REPORT

MIL07-DBA-XX-XX-RP-E-63001

07/11/2025

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1. LIGHTING SYSTEM FEATURES

1.1. Lighting Levels

The lighting parameters used are reported in the table below:

Sigla	Room	lamp IP rating	Illuminance target levels (lux)	Uniformity	Colour temperature (K)	Measurement height (m)
DATA CENTER						
DH	DATA HALL (COLD CORRIDOR)	>=IP64	500	0,7	4000K	1
DH	DATA HALL (HOT CORRIDOR)	>=IP64	500	0,7	4000K	1
POE	POINT OF ENTRY	>=IP64	500	0,7	4000K	1
MMR	MEET ME ROOM	>=IP64	500	0,7	4000K	1
COR	CORRIDOR	>=IP64	250	0,4	4000K	0,8
SPK	SPRINKLER ROOM	>=IP64	300	0,4	4000K	1
SHF	SHAFT	>=IP64	200		4000K	
MEC	MECHANICAL GALLERY	>=IP64	300	0,4	4000K	1
SER	SECURITY EQUIPMENT ROOM	>=IP64	500	0,7	4000K	1
POD						
POD	POINT OF DELIVERY	>=IP64	300	0,4	4000K	1
TRN	TRAFO ROOM	>=IP64	300	0,4	4000K	1
BTR	BATTERY ROOM	>=IP64	300	0,4	4000K	1
BUILDING OFFICE						
SHF	SHAFT	>=IP64	200		4000K	
STO	WAREHOUSING	IP20 Ceiling side IP44 room side	250	0,4	4000K	0,8
RES	REST ROOM	IP20 Ceiling side IP44 room side	200	0,4	4000K	0,8
ER	ELECTRICAL ROOM	>=IP64	300	0,4	4000K	1
FCR	FIRE COMMAND ROOM	>=IP64	300	0,4	4000K	1
WAT	WATER ROOM	>=IP64	300	0,4	4000K	1
SPK	SPRINKLER RISER	>=IP64	300	0,4	4000K	1
BRK	BREAK ROOM	IP20 Ceiling side IP44 room side	250	0,4	4000K	0,8
SOC	SECURITY OPERATION CENTER	>=IP64	500	0,7	4000K	0,8
COR	CORRIDOR	>=IP64	250	0,4	4000K	0,8
LOB	LOBBY	IP20 Ceiling side IP44 room side	250	0,6	4000K	0,8
JAN	JANITORIAL ROOM	>=IP64	150	0,4	4000K	0,8
STR	INTERNAL STAIRCASE	>=IP64	250	0,4	4000K	0,8
CON	CONFERENCE ROOM	IP20 Ceiling side IP44 room side	500	0,4	4000K	0,8
VST	VESTIBULE	IP20 Ceiling side IP44 room side	500	0,4	4000K	0,8
SHP	LOADING-UNLOADING AREA	>=IP64	500	0,4	4000K	0,8
STG	STAGING RECEIVING AREA	>=IP64	500	0,4	4000K	0,8
OFF	OFFICE	IP20 Ceiling side IP44 room side	500	0,4	4000K	0,8
CHG	CHANGING ROOM	IP20 Ceiling side IP44 room side	250	0,4	4000K	0,8

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The lighting parameters shown in the previous table have been defined by adopting, for each area, the most severe value between the requirements specified by the client in the documents " STEER-BWE-XX-XX-RP-N-00004 P02.03" and those established by the UNI EN 12464-1 standard (Lighting of work places – Indoor work places).

The Contractor shall redo / update the lighting design calculations to define the amount of lighting fixtures necessary to meet the specified lighting levels, in case there is change in the luminaire selection from the design documentation. The supplier shall be selected from the Vendor List or agreed with the Designer. The updated calculation shall be issued to the Engineer for review and approval. Lighting fixtures shall be in accordance with functional requirements of the concerning area. For rooms that shall be equipped with a false ceiling the fixtures shall be embedded in the structure of the false ceiling. For calculation the Contractor shall pay attention to the used colours and materials in the room.

In order to facilitate maintenance activities and ensure the efficiency of the spare parts supply chain, the design phase included a minimization of the number of different lighting fixture types, standardizing the solutions across the system.

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1.2. Lighting control logic

The lighting control logic for each room is specified in the table below.

Sigla	Room	Lighting control	Dali control
DATA CENTER			
DH	DATA HALL (COLD CORRIDOR)	3 circuits (1st always on, covering 5% of m²)	YES
DH	DATA HALL (HOT CORRIDOR)	Presence sensors and timers	YES
POE	POINT OF ENTRY	Pushbuttons on every door	YES
MMR	MEET ME ROOM	Pushbuttons on every door	YES
COR	CORRIDOR	Presence sensors and timers	YES
SPK	SPRINKLER ROOM	Pushbuttons on every door	YES
SHF	SHAFT	Presence sensors and timers	NO
MEC	MECHANICAL GALLERY	Presence sensors and timers	YES
SER	SECURITY EQUIPMENT ROOM	Pushbuttons on every door	YES
POD			
POD	POINT OF DELIVERY	Pushbuttons on every door	YES
TRN	TRAFO ROOM	Pushbuttons on every door	YES
BTR	BATTERY ROOM	Pushbuttons on every door	YES
BUILDING OFFICE			
SHF	SHAFT	Presence sensors and timers	NO
STO	WAREHOUSING	Presence sensors and timers	YES
RES	REST ROOM	Presence sensors and timers	NO
ER	ELECTRICAL ROOM	Pushbuttons on every door	YES
FCR	FIRE COMMAND ROOM	Pushbuttons on every door	NO
WAT	WATER ROOM	Pushbuttons on every door	NO
SPK	SPRINKLER RISER	Pushbuttons on every door	NO
BRK	BREAK ROOM	Pushbuttons on every door	YES
SOC	SECURITY OPERATION CENTER	Pushbuttons on every door	YES
COR	CORRIDOR	Presence sensors and timers	YES
LOB	LOBBY	Presence sensors and timers	YES
JAN	JANITORIAL ROOM	Pushbuttons on every door	NO
STR	INTERNAL STAIRCASE	Pushbuttons on every door	NO
CON	CONFERENCE ROOM	Presence sensors and timers	YES
VST	VESTIBULE	Presence sensors and timers	YES
SHP	LOADING-UNLOADING AREA	Presence sensors and timers	YES
STG	STAGING RECEIVING AREA	Pushbuttons on every door	YES
OFF	OFFICE	Presence sensors and timers	YES
CHG	CHANGING ROOM	Presence sensors and timers	NO

Below is a detailed description of the operating logic applied to the various areas:

- DTM (Data Technical Modules): The luminaires to remain on 24/7 have been selected based on the need to ensure illumination of areas monitored by CCTV cameras and to maintain a minimum illuminance level along the main corridors. Lighting is activated via presence sensors positioned along the corridors. The DTM is divided into three separate

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circuits, each of which is triggered automatically when a person passes through specific zones, optimizing lighting usage based on actual space occupancy;

- ATR (Lobby): At least 30% of the lamps will be kept permanently on and dimmed, ensuring a minimum and uniform level of illumination in the lobby, particularly near the lighting control switch.
- Technical rooms: Lighting is controlled manually via pushbuttons, as these are low-traffic areas mainly accessed by authorized personnel only;
- Offices:
    - Lighting is controlled via dimmable pushbuttons, which allow users to adjust the light intensity through prolonged pressing.
    - The system includes daylight sensors, which automatically adjust the luminous flux according to the amount of natural light available, aiming to optimize energy consumption.
    - Presence sensors are installed to automatically switch off the corresponding row of lights after a programmable period of inactivity.
- Corridor: In the corridors, lighting is controlled by presence sensors that activate only the relevant section. It is also possible to manually switch the lights on and off using push buttons installed at the entrance of the corridor.

1.3. Emergency Lighting

The emergency lighting system of the Data Center facility will be provided with one central battery for phase 01 areas and with one central battery for phase 02 areas. The Central Power Supply (CPS) system, at full load, provides 2 hour of autonomy and complies with the product standards.

The Emergency lighting system with a Central battery shall be designed installed and tested in compliance to:

- EN 50172 Emergency escape lighting systems;
- EN 1838 Lighting applications. Emergency lighting;
- EN 60598-2-22 Luminaires Part 2-22: Particular Requirements- Luminaires for emergency lighting;
- EN 50171 Central power supply systems;
- Local authority requirement in jurisdiction.

Above each door in the escape routes an emergency exit indicator with built in emergency lighting shall be installed, the emergency exit signs shall comply with SN EN ISO 7010. In corridors and larger spaces, the distance between safety signs is regulated and varies according to the height of the pictogram, following the formula: $d = s \times p$, where d is the maximum viewing distance, s is a fixed coefficient, and p is the height of the pictogram.

Inside rooms / spaces emergency lighting fixtures shall be installed to achieve the minimum lighting level that is specified in standards and regulations.

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1.4. Outdoor lighting

Lighting must be installed to support security video surveillance and visibility by avoiding fixture placements that result in high glare or extreme ranges of luminance in the view of any camera.

The target lighting levels for the outdoor areas are summarized in the following table:

GENERIC EXTERNAL AREA	Timer and twilight switch + Pushbuttons	YES	>IP65	20	0,4	4000K

All outdoor lighting, unless otherwise specified, shall be controlled by a timer and twilight sensor, including the possibility of manual override for maintenance. The push buttons for forcing the switching on and off of the rooftop lights are located near the access points to the rooftop, such as staircases and elevators. The lighting control is divided by phase: one push button allows switching on the lights of phase 1, and another push button controls the lights of phase 2. The chiller platform is equipped with independent controls located at the top of the stairs.

The ordinary lighting fixtures positioned along the walkway around the generators, excluding the fixtures supplied by the generator supplier (see chapter Lamps mounted on generator), shall be controlled by a push button located at the entrance of the generator area.

1.5. Lamps mounted on generator/POD

The lighting fixtures mounted on the generator or POD will be supplied and electrically managed by the generator/POD supplier.

The lighting fixtures shall have the following characteristics:

- Rated power: TBD
- Rated luminous flux: TBD
- Luminous efficacy: more than 120 lm/W
- Light source: Integrated LED, 4000 K colour temperature (neutral white), CRI not less than 80
- Service life: 70,000 h (Ta 25 °C)
- Protection rating: IP66 (dust and water jets)
- Rated frequency: 50 Hz
- Rated voltage: 220-240 V AC/DC

The lamps mounted on the generator or on the POD shall be equipped with an integrated emergency kit with built-in batteries, capable of providing an autonomy of at least 1 hour in the event of loss of primary power supply.

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1.6. List of attachments

The following documents are attached in the order listed below:

- CPSS line sizing and circuit distribution;
- Lighting calculations;
    - Ordinary and emergency light ground floor;
    - Ordinary and emergency light first floor;
    - Ordinary light outdoor areas;
- Technical Datasheet

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CPSS1 - Ph.1

	CIRCUIT	1	2	3	4		W for circuit	N° circuit
uffici PT	CPSS-01-1.1	2	3	10			72,5	15
	CPSS-01-1.2	2	3	11			77,6	16
	CPSS-01-1.3	1	4	11			81,1	16
	CPSS-01-1.4						0	0
DH01	CPSS-01-2.1		16				91,2	16
	CPSS-01-2.2		16				91,2	16
	CPSS-01-2.3		16				91,2	16
	CPSS-01-2.4		16				91,2	16
US DH01+MEC01 MEC01	CPSS-01-3.1	11	3				41,3	14
	CPSS-01-3.2	11	2				35,6	13
	CPSS-01-3.3	12	2				37,8	14
	CPSS-01-3.4						0	0
COR02+COR03+POE/MMR/CER02+SPK02+SHF	CPSS-01-4.1	4		10			59,8	14
	CPSS-01-4.2	4		10			59,8	14
	CPSS-01-4.3	4		10			59,8	14
	CPSS-01-4.4	4		11			64,9	15
uffici P1	CPSS-01-5.1	2	7	5			69,8	14
	CPSS-01-5.2	1	7	5			67,6	13
	CPSS-01-5.3	1	8	4			68,2	13
	CPSS-01-5.4						0	0
Roof AF + STR AF	CPSS-01-6.1			8	7		135,3	15
	CPSS-01-6.2			8	7		135,3	15
Site	CPSS-01-6.3				17		229,5	17
	CPSS-01-6.4				17		229,5	17
Roof (A1+A2) + Platform A1+A2	CPSS-01-7.1			12	3		101,7	15
	CPSS-01-7.2			11	3		96,6	14
	CPSS-01-7.3			11	3		96,6	14
	CPSS-01-7.4			11	3		96,6	14
Roof (A1+A2) + Platform A1+A2	CPSS-01-8.1				16		216	16
	CPSS-01-8.2				16		216	16
	CPSS-01-8.3				16		216	16
	CPSS-01-8.4				16		216	16

	CODE	POWER (W)	REFERENCE ON DRAWING LEGEND
1	AS2002	2,2	Pictogram
2	VE2001	5,7	C1
3	CE2002	5,1	C2
4	CW2005	13,5	C3

Technical characteristics

- Power supply: three-phase 400Vac, single-phase 230Vac
- Output voltage: single-phase 216Vdc in emergency, 230Vac with AC supply
- Duration: 1h
- Recharge: 80% of capacity reached in 12h
- Insulation class: I
- System control modules: CPU for internal management, battery charger status control, battery status control with over-discharge protection
- I/O interface module with 8 digital inputs
- N. 28 direct lines at 650 W with control
- Device for internal temperature control
- Disable function with pushbutton for Fire Officers
- Controls for executing functional and duration tests
- DC output in emergency. No inverter used
- Modbus/TCP interface, programming and remote management using Team Viewver (integrated)
- USB interface for programming and log book exporting
- Compliant to norms: EN 50171, EN 62485-2, EN 62034
- Time intervals between verification tests comply to norms: EN 50172, UNI 11222
- Compliant to RoHS2 2011/65/UE
- Steel cabinet with separate compartments
- Colour: Grey - RAL 7035
- Cable entry from top and back side
- Installation: floor

CPSS2 - Ph.2

CIRCUIT	1	2	3	4	
CPSS-02-1		16			
CPSS-02-2		16			
CPSS-02-3		16			
CPSS-02-4		16			
CPSS-02-5	11	3			
CPSS-02-6	11	2			
CPSS-02-7	12	2			
CPSS-02-8					

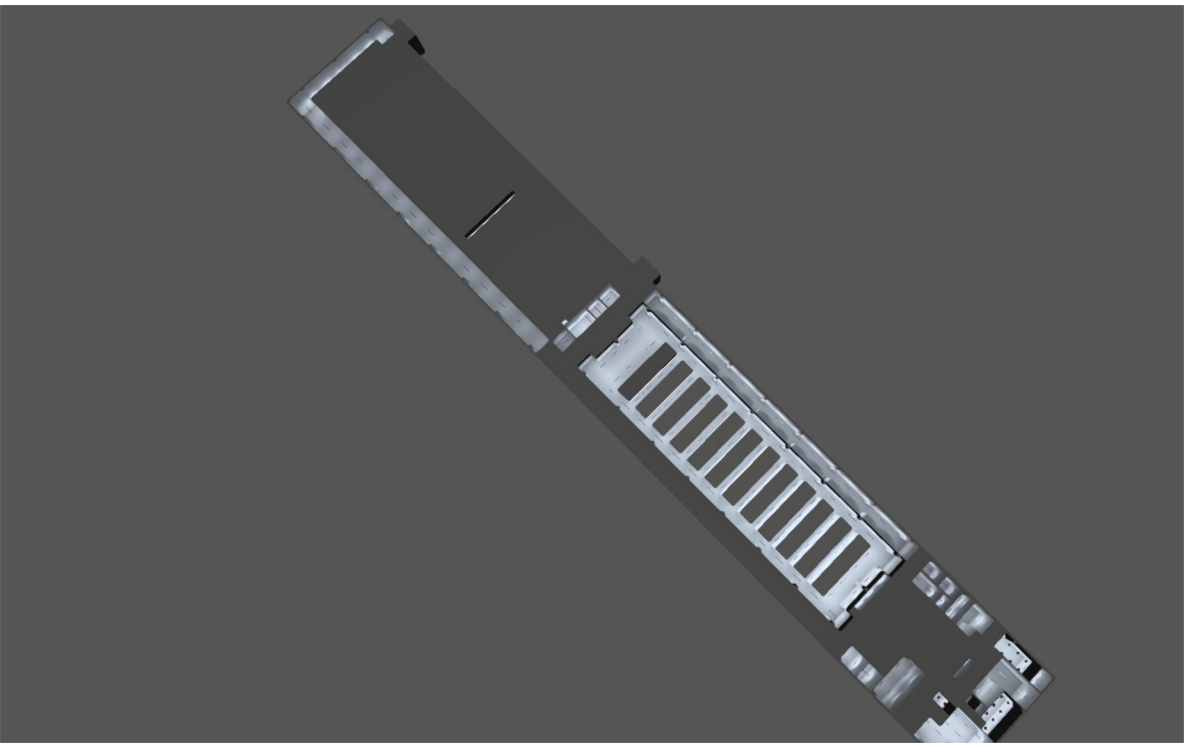
W for circuit	N° circuit
91,2	16
91,2	16
91,2	16
91,2	16
41,3	14
35,6	13
37,8	14
0	0

	CODE	POWER (W)	REFERENCE ON DRAWING LEGEND
1	AS2002	2,2	Pictogram
2	VE2001	5,7	C1
3	CE2002	5,1	C2
4	CW2005	13,5	C3

Technical features

- Power supply: 230V 50Hz or 400V 50Hz
- Output voltage: 216Vdc (230Vac with mains)
- Electrical isolation class: I
- Degree of protection: IP 54
- Weight: 131,6 Kg including batteries
- Recommended ambient temperature: from + 20 ° C to + 25 ° C
- Operating temperature: from + 5 ° C to + 40 ° C (EUROBAT)
- 8 circuits controlled by microprocessor: Monitoring of up to 20 devices to circuit and 650W, lamps SE and SA on the same circuit.
- Possibility to monitor the functionality of the circuit and / or fittings through dedicated software.
- Storage of the event log for a period of more than 5 years.
- Languages Italian, English and German.
- Integrated team viewer for remote monitoring
- 5 main monitor programmable inputs, 3 input floating contacts NC / NO selectable, 8 relay outputs.
- Compatible with SCMD-L modules, single fitting monitoring switch addressing from 1 to 20 positions.
- Information on the status of the emergency system - circuits / fittings with capacitive touch screen.
- Connectivity of external modules SCMF8 phase monitoring through bus RS 485
- Free programming of input circuits for fitting.
- Autonomy EN 50171: 1200W - 1h
  800W - 2h
  535W - 3h
- Case: painted iron
- Paint: gray
- Cable entry: plastic flange at the top
- Wall mounting

Date 04/11/2025



STACK DC MIL07_Ground Floor

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Luminaire list

Φ_{total}	P_{total}	Luminous efficacy	$\Phi_{Emergency\ lighting}$	$P_{Emergency\ lighting}$
2214662 lm	12813.3 W	172.8 lm/W	115850 lm	1001.6 W

pcs.	Manufacturer	Article No.	Article name		P	Φ	Luminous efficacy
25	LINERGY S.r.l.	CE2002	CRISTAL EVO SL IP65 SPY CENTER		5.1 W	560 lm (100 %)	–
45	LINERGY S.r.l.	VE1906_A	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 ASIMMETRICO		5.7 W	450 lm	78.9 lm/W
					5.7 W	450 lm (100 %)	–
4	LINERGY S.r.l.	VE1906_S	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 SIMMETRICO		5.7 W	450 lm	78.9 lm/W
					5.7 W	450 lm (100 %)	–
4	LINERGY S.r.l.	VE1906_S	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 SIMMETRICO		5.7 W	450 lm (100 %)	–
1	TRILUX		Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 2)		20.0 W	2600 lm	130.0 lm/W
4	TRILUX		ELINE HE LN 90 840 L150 1 64		50.0 W	8999 lm	180.0 lm/W
62	TRILUX		ELINE HE LVW 110 840 L225 1 64		57.0 W	10999 lm	193.0 lm/W
35	TRILUX		ELINE HE LW 130 840 L225 1 64		68.0 W	12999 lm	191.2 lm/W
62	TRILUX		ELINE HE LW 90 840 L150 1 64		50.0 W	8999 lm	180.0 lm/W
5	TRILUX		OleveonF 12 B 4000-840 ET PC		28.0 W	3900 lm	139.3 lm/W
13	TRILUX		OleveonF 15 B 6000-840 ETDD PC		44.0 W	6000 lm	136.4 lm/W
					44.0 W	6000 lm (100 %)	–
15	TRILUX		OleveonF 15 B 8000-840 ETDD PC		57.0 W	7700 lm	135.1 lm/W
25	TRILUX		Tugra 15 PVW 60-840 ETDD PC 23		47.0 W	5999 lm	127.6 lm/W
14	TRILUX		ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 1)		22.0 W	3800 lm	172.7 lm/W
10	TRILUX		ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 2)		25.0 W	4300 lm	172.0 lm/W

Building 1 · Storey 1 (Light scene 1)

Calculation objects

Building 1 · Storey 1 (Light scene 1)

Calculation objects

Working planes

Properties	$\bar{E}$ (Target)	E_{min}	E_{max}	U_o (g_1) (Target)	g_2	Index
Working plane (BRK02) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	262 lx (≥ 250 lx) ✓	157 lx	361 lx	0.60 (≥ 0.40) ✓	0.43	WP15
Working plane (CER02) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.300 m	624 lx (≥ 500 lx) ✓	394 lx	786 lx	0.63 (≥ 0.60) ✓	0.50	WP22
Working plane (CON01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	616 lx (≥ 500 lx) ✓	378 lx	730 lx	0.61 (≥ 0.60) ✓	0.52	WP4
Working plane (COR01/02) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	295 lx (≥ 250 lx) ✓	139 lx	486 lx	0.47 (≥ 0.40) ✓	0.29	WP29
Working plane (COR03) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	287 lx (≥ 250 lx) ✓	174 lx	519 lx	0.61 (≥ 0.40) ✓	0.34	WP27
Working plane (DH01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.500 m	529 lx (≥ 500 lx) ✓	381 lx	767 lx	0.72 (≥ 0.70) ✓	0.50	WP1
Working plane (DH2 - Hot Corridor) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.300 m	523 lx (≥ 500 lx) ✓	381 lx	572 lx	0.73 (≥ 0.70) ✓	0.67	WP28
Working plane (ER01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.500 m	314 lx (≥ 300 lx) ✓	267 lx	344 lx	0.85 (≥ 0.40) ✓	0.78	WP18
Working plane (FCR01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.500 m	308 lx (≥ 300 lx) ✓	213 lx	380 lx	0.69 (≥ 0.40) ✓	0.56	WP19
Working plane (JAN01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.222 m	231 lx (≥ 150 lx) ✓	213 lx	252 lx	0.92 (≥ 0.40) ✓	0.85	WP12
Working plane (LOB01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	270 lx (≥ 250 lx) ✓	184 lx	340 lx	0.68 (≥ 0.60) ✓	0.54	WP3

Building 1 · Storey 1 (Light scene 1)

Calculation objects

Working plane (MEC01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.500 m	341 lx (≥ 300 lx) ✓	177 lx	411 lx	0.52 (≥ 0.40) ✓	0.43	WP2
Working plane (MMR01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.650 m	596 lx (≥ 500 lx) ✓	425 lx	704 lx	0.71 (≥ 0.70) ✓	0.60	WP10
Working plane (MMR02) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.500 m	620 lx (≥ 500 lx) ✓	462 lx	727 lx	0.75 (≥ 0.70) ✓	0.64	WP23
Working plane (OFF01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	537 lx (≥ 500 lx) ✓	396 lx	606 lx	0.74 (≥ 0.40) ✓	0.65	WP8
Working plane (POE01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.500 m	545 lx (≥ 500 lx) ✓	389 lx	665 lx	0.71 (≥ 0.70) ✓	0.58	WP11
Working plane (POE02) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.650 m	601 lx (≥ 500 lx) ✓	438 lx	706 lx	0.73 (≥ 0.70) ✓	0.62	WP24
Working plane (RES05) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	287 lx (≥ 200 lx) ✓	135 lx	348 lx	0.47 (≥ 0.40) ✓	0.39	WP6
Working plane (SHF01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	268 lx (≥ 200 lx) ✓	213 lx	297 lx	0.79 (≥ 0.40) ✓	0.72	WP17
Working plane (SHF04) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	256 lx (≥ 200 lx) ✓	206 lx	291 lx	0.80 (≥ 0.40) ✓	0.71	WP21
Working plane (SHF07) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.200 m	242 lx (≥ 200 lx) ✓	230 lx	249 lx	0.95 (≥ 0.40) ✓	0.92	WP26
Working plane (SHP01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	563 lx (≥ 500 lx) ✓	295 lx	734 lx	0.52 (≥ 0.40) ✓	0.40	WP7
Working plane (SOC01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	630 lx (≥ 250 lx) ✓	475 lx	749 lx	0.75 (≥ 0.40) ✓	0.63	WP13

Building 1 · Storey 1 (Light scene 1)

Calculation objects

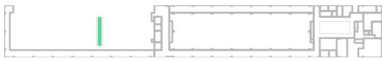
Working plane (SOC02) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	574 lx (≥ 500 lx) ✓	367 lx	625 lx	0.64 (≥ 0.40) ✓	0.59	WP14
Working plane (SPK01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.300 m	314 lx (≥ 300 lx) ✓	229 lx	352 lx	0.73 (≥ 0.40) ✓	0.65	WP16
Working plane (SPK02) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.700 m	311 lx (≥ 300 lx) ✓	231 lx	373 lx	0.74 (≥ 0.40) ✓	0.62	WP25
Working plane (STO02) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	270 lx (≥ 250 lx) ✓	142 lx	417 lx	0.53 (≥ 0.40) ✓	0.34	WP9
Working plane (VST01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.100 m	325 lx (≥ 250 lx) ✓	296 lx	354 lx	0.91 (≥ 0.40) ✓	0.84	WP5
Working plane (WAT01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.500 m	303 lx (≥ 300 lx) ✓	208 lx	379 lx	0.69 (≥ 0.40) ✓	0.55	WP20

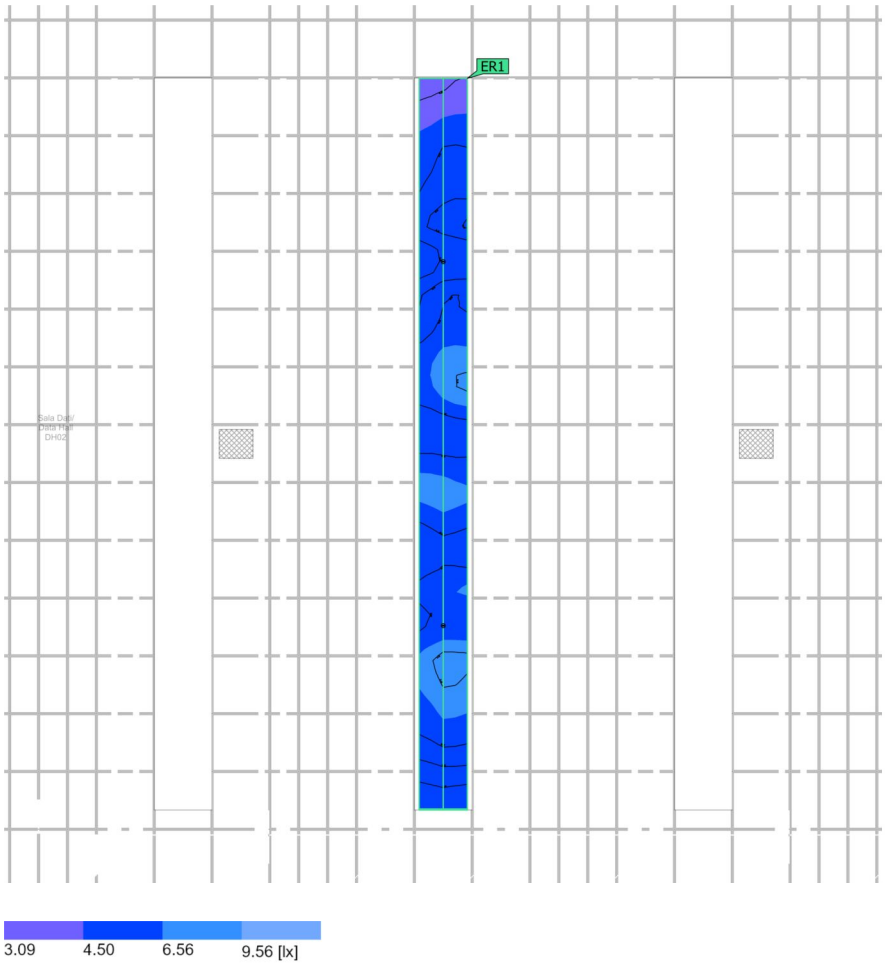
Calculation surfaces

Properties	$\bar{E}$	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Area Aperta Perpendicular illuminance Height: 1.000 m	480 lx	403 lx	654 lx	0.84	0.62	CG3
Camminamento Periferico Perpendicular illuminance Height: 1.000 m	507 lx	369 lx	647 lx	0.73	0.57	CG2
Cold Corridor Perpendicular illuminance Height: 1.000 m	561 lx	478 lx	704 lx	0.85	0.68	CG1

Building 1 · Storey 1 (Emergency light scene)

Via di esodo - Hot Corridor





Properties	E_{min} Middle area (Target)	E_{max} Middle area	E_{min} Centerline (Target)	E_{max} Centerline	U_d (Target)	Index
Via di esodo - Hot Corridor Perpendicular illuminance (adaptive) Height: 0.000 m	3.82 lx (≥ 0.50 lx) ✓	7.19 lx	3.94 lx (≥ 1.00 lx) ✓	7.13 lx	0.55 (≥ 0.025) ✓	ER1

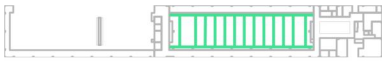
Building 1 · Storey 1 (Emergency light scene)

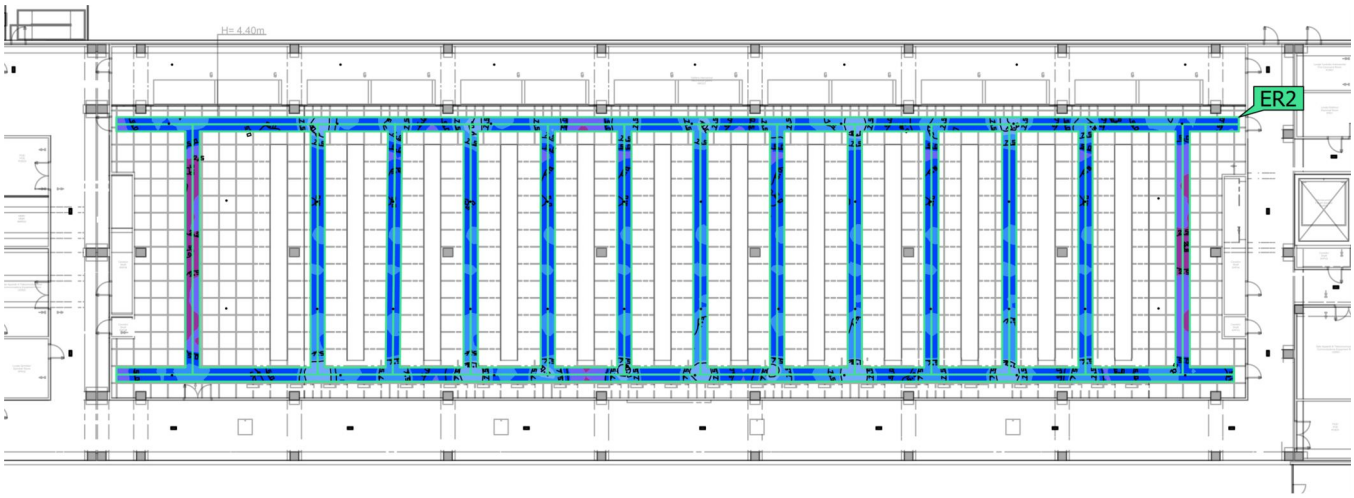
Via di esodo - Hot Corridor

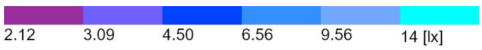
Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 (Emergency light scene)

Via di esodo - Cold Corridor







Properties	E_{min} Middle area (Target)	E_{max} Middle area	E_{min} Centerline (Target)	E_{max} Centerline	U_d (Target)	Index
Via di esodo - Cold Corridor Perpendicular illuminance (adaptive) Height: 0.000 m	2.14 lx (≥ 0.50 lx) ✓	12.6 lx	2.21 lx (≥ 1.00 lx) ✓	12.6 lx	0.18 (≥ 0.025) ✓	ER2

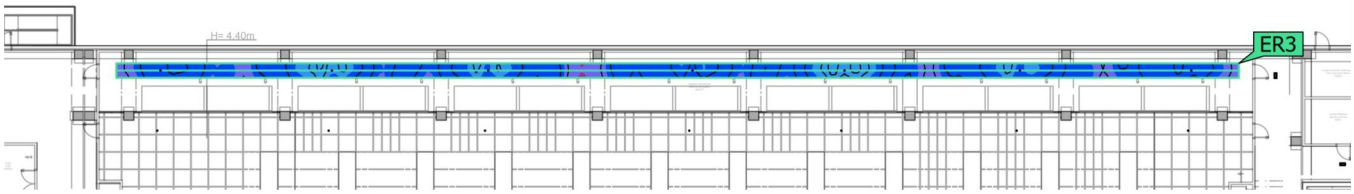
Building 1 · Storey 1 (Emergency light scene)

Via di esodo - Cold Corridor

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 (Emergency light scene)

Via di esodo - MEC01



Properties	E_{min} Middle area (Target)	E_{max} Middle area	E_{min} Centerline (Target)	E_{max} Centerline	U_d (Target)	Index
Via di esodo - MEC01 Perpendicular illuminance (adaptive) Height: 0.000 m	3.02 lx (≥ 0.50 lx) ✓	7.88 lx	3.12 lx (≥ 1.00 lx) ✓	7.65 lx	0.41 (≥ 0.025) ✓	ER3

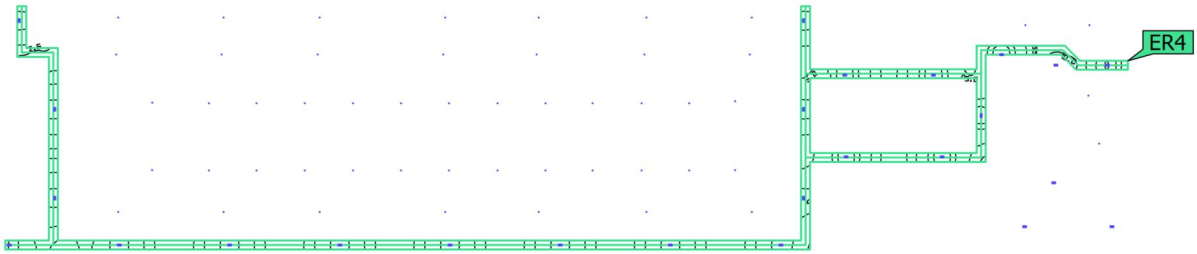
Building 1 · Storey 1 (Emergency light scene)

Via di esodo - MEC01

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 (Emergency light scene)

Emergency route 6

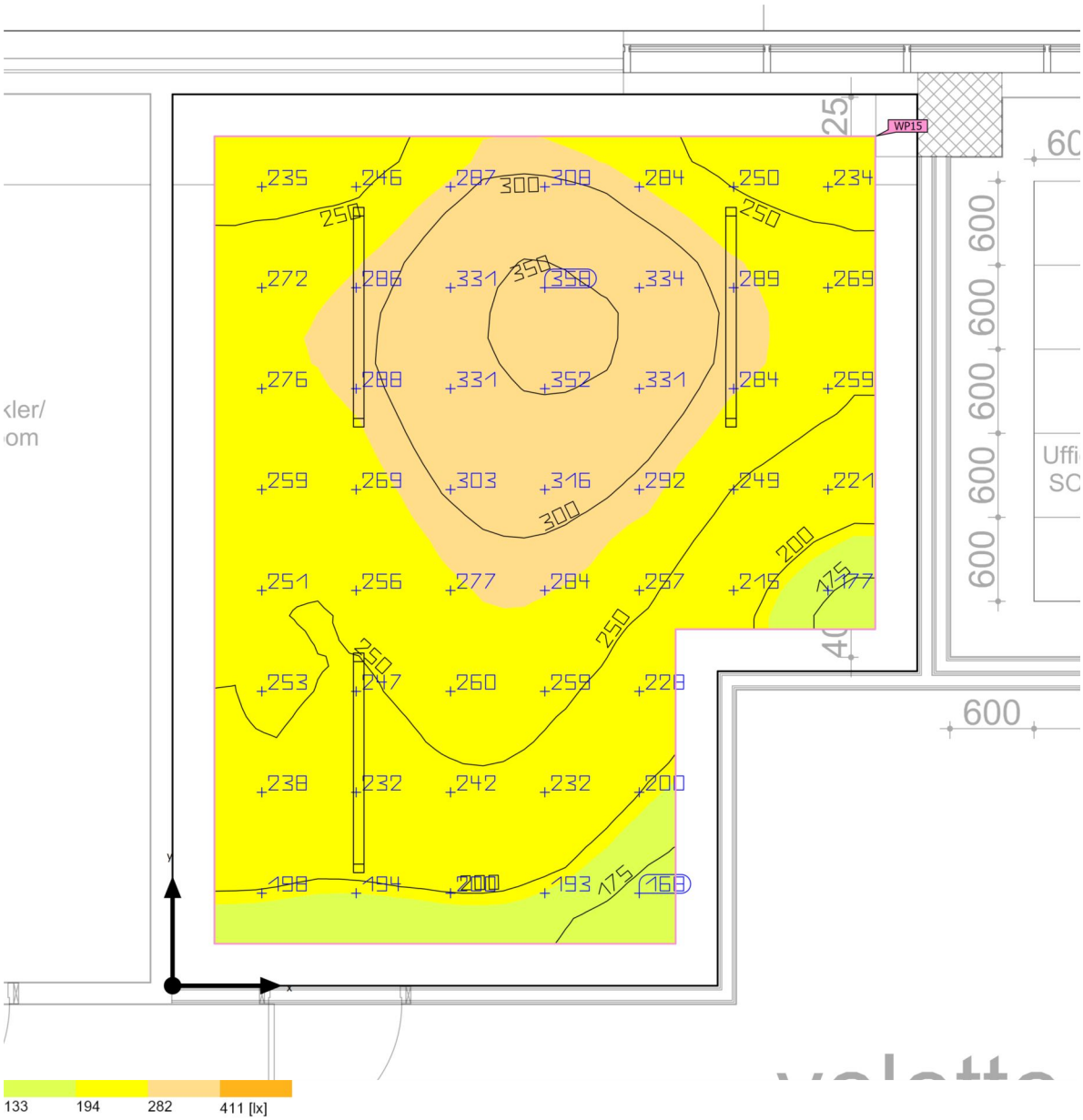


Properties	E_{min} Middle area (Target)	E_{max} Middle area	E_{min} Centerline (Target)	E_{max} Centerline	U_d (Target)	Index
Emergency route 6 Perpendicular illuminance (adaptive) Height: 0.000 m	0.99 lx (≥ 0.50 lx) ✓	15.1 lx	1.00 lx (≥ 1.00 lx) ✓	15.1 lx	0.066 (≥ 0.025) ✓	ER4

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 · BRK02 (Light scene 1)

Summary



Ground area	30.63 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · BRK02 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	262 lx	≥ 250 lx	✓	WP15
	U_o (g_1)	0.60	≥ 0.40	✓	WP15
	Lighting power density	5.88 W/m²	–		
		2.24 W/m²/100 lx	–		
Energy estimation(2)	Consumption	271 kWh/a	max. 1100 kWh/a	✓	
Space	Lighting power density	4.60 W/m²	–		
		1.76 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

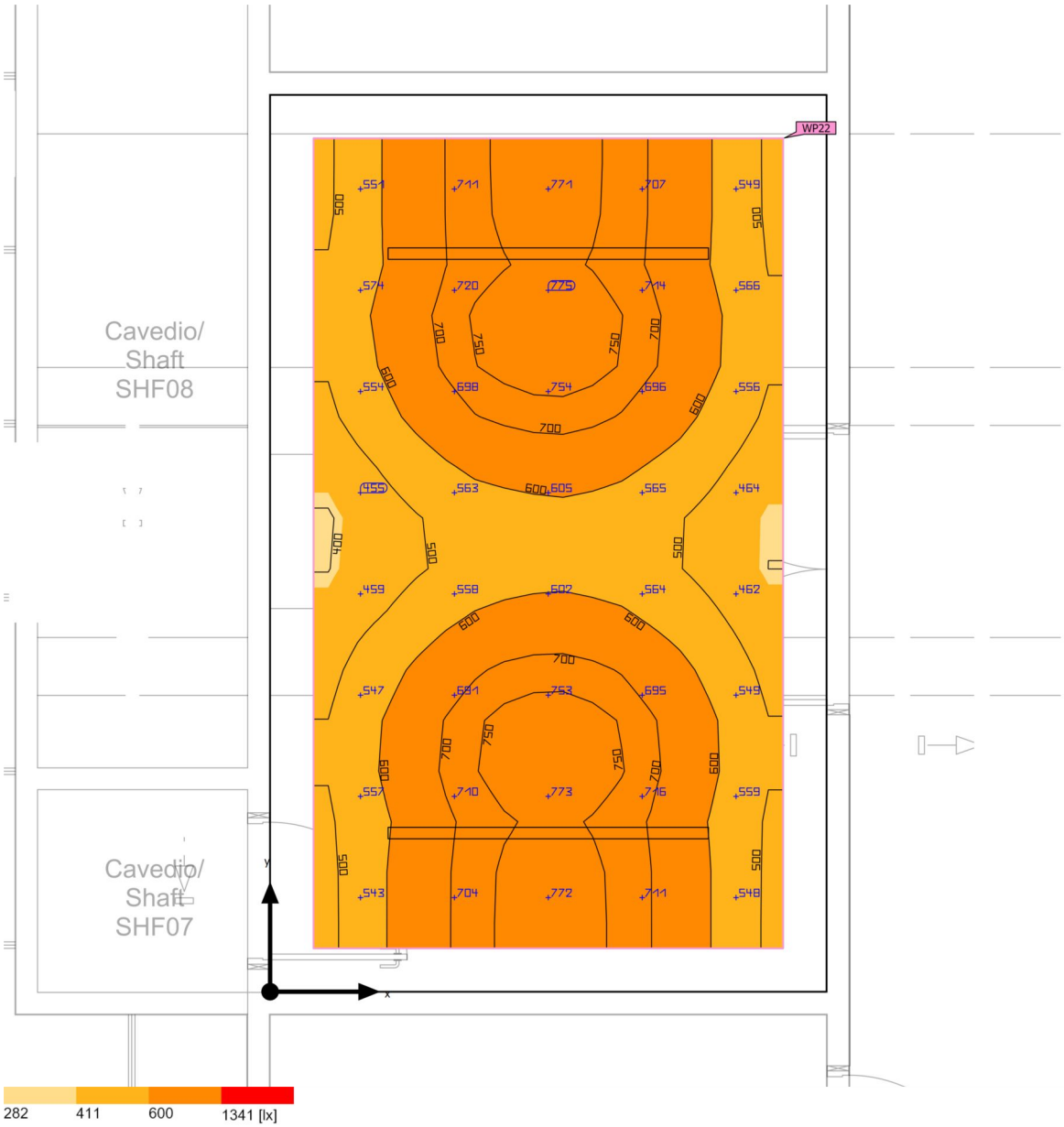
Utilisation profile: General areas inside buildings - Rest, sanitation and first aid rooms (10.2 Rest rooms)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	TRILUX		Tugra 15 PVW 60-840 ETDD PC 23	47.0 W	5999 lm	127.6 lm/W

Building 1 · Storey 1 · CER02 (Light scene 1)

Summary



Ground area	23.77 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · CER02 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	624 lx	≥ 500 lx	✓	WP22
	U_o (g_1)	0.63	≥ 0.60	✓	WP22
	Lighting power density	7.51 W/m²	–		
		1.20 W/m²/100 lx	–		
Energy estimation(2)	Consumption	337 kWh/a	max. 850 kWh/a	✓	
Space	Lighting power density	5.72 W/m²	–		
		0.92 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

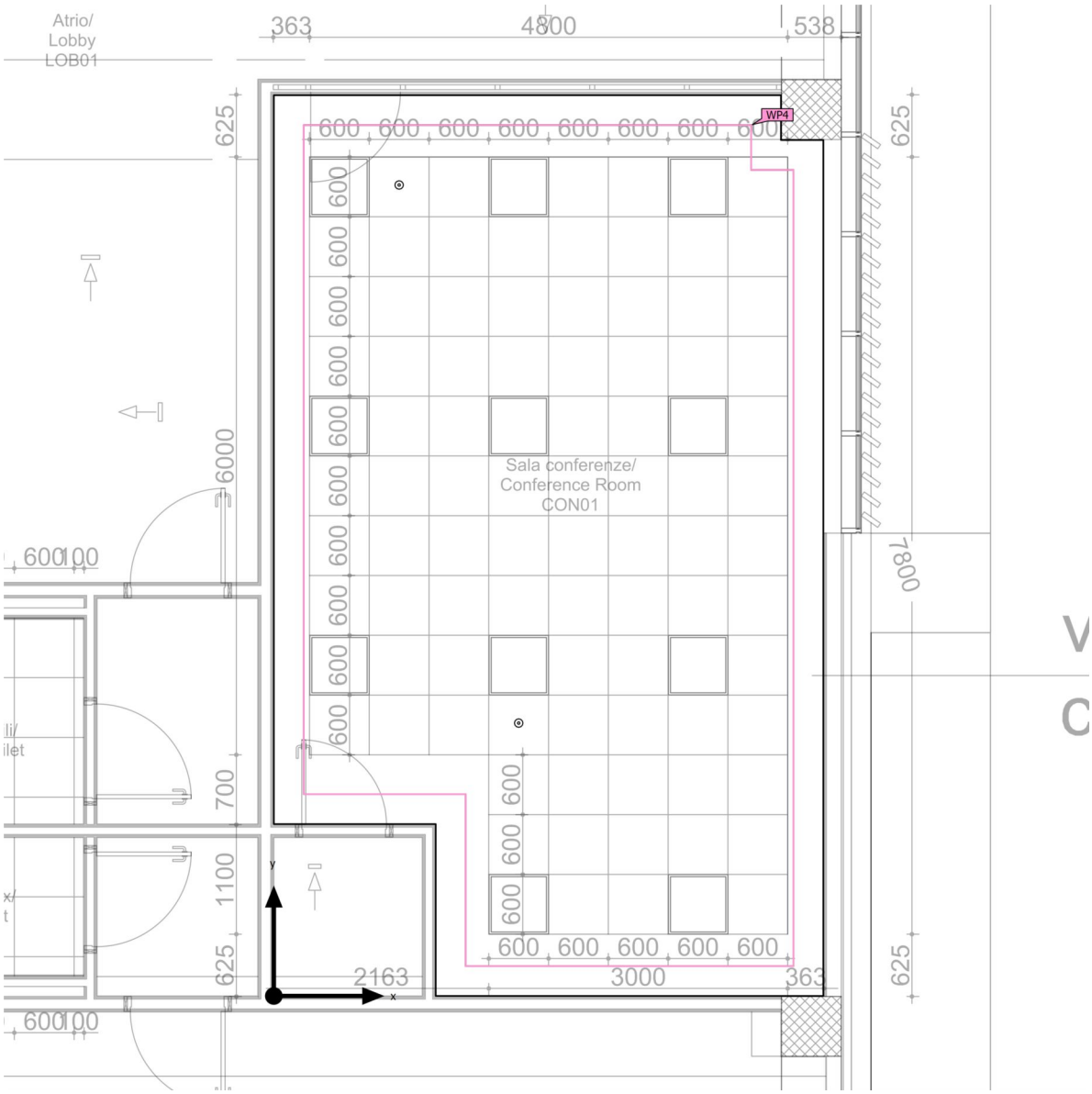
Utilisation profile: DIALux presetting (34.2 Standard (office))

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	TRILUX		ELINE HE LW 130 840 L225 1 64	68.0 W	12999 lm	191.2 lm/W

Building 1 · Storey 1 · CON01 (Emergency light scene)

Summary



Ground area	46.87 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · CON01 (Emergency light scene)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Space	Lighting power density	0.24 W/m²	–		

Anti panic surface

Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (CON01) Perpendicular illuminance (adaptive) Height: 0.000 m	2.35 lx (≥ 0.50 lx) ✓	7.94 lx	0.30 (≥ 0.025) ✓	AP2

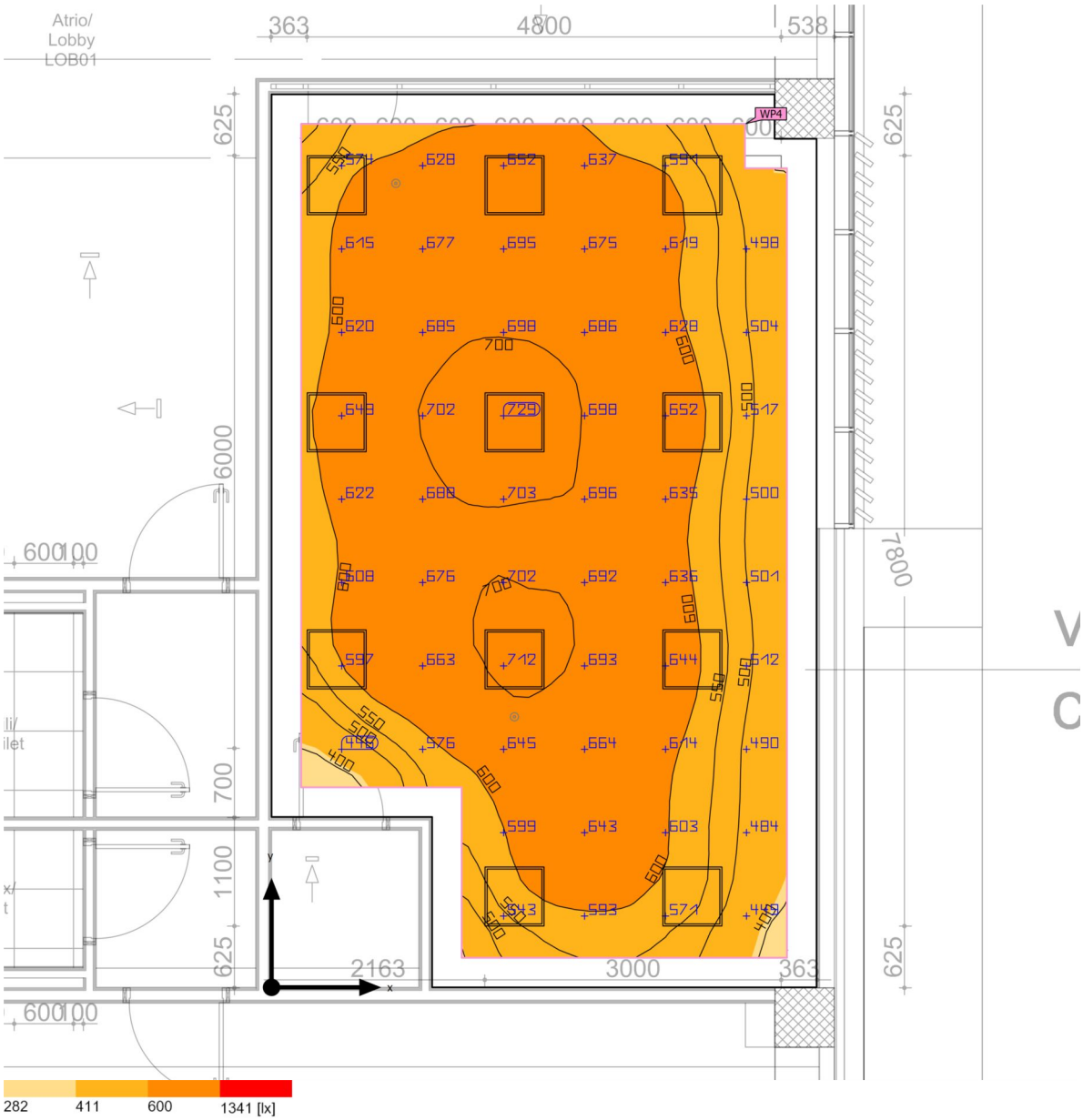
Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Luminaire list

pcs.	Manufacturer	Article No.	Article name		P	Φ	Luminous efficacy
2	LINERGY S.r.l.	VE1906_S	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 SIMMETRICO		5.7 W	450 lm (100 %)	–

Building 1 · Storey 1 · CON01 (Light scene 1)

Summary



Ground area	46.87 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · CON01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	616 lx	≥ 500 lx	✓	WP4
	U_o (g_1)	0.61	≥ 0.60	✓	WP4
	Lighting power density	6.29 W/m²	–		
		1.02 W/m²/100 lx	–		
Energy estimation(2)	Consumption	599 kWh/a	max. 1650 kWh/a	✓	
Space	Lighting power density	5.16 W/m²	–		
		0.84 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

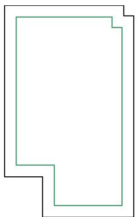
Utilisation profile: Offices (34.2 Writing, typewriting, reading, data processing)

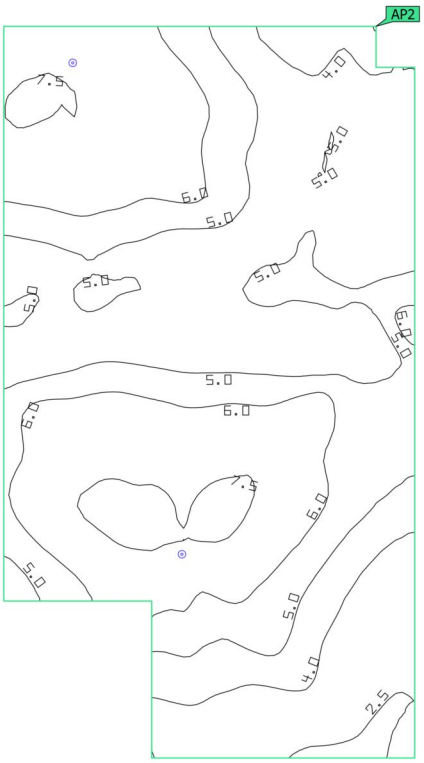
Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
11	TRILUX		ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 1)	22.0 W	3800 lm	172.7 lm/W

Building 1 · Storey 1 · CON01 (Emergency light scene)

Anti panic surface (CON01)



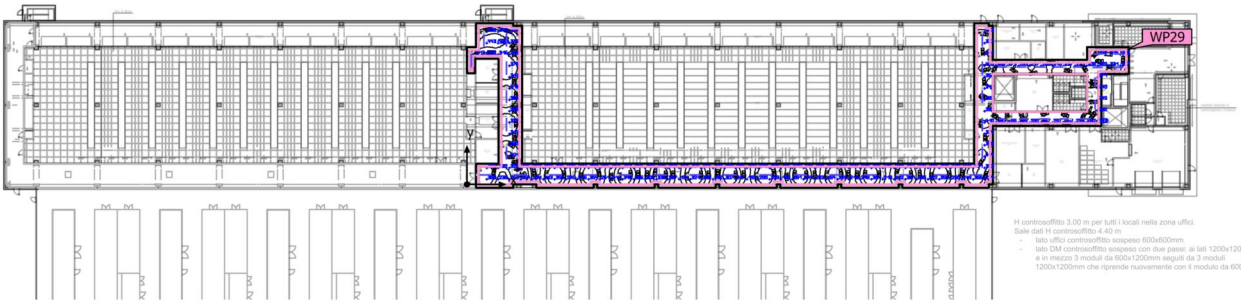


Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (CON01) Perpendicular illuminance (adaptive) Height: 0.000 m	2.35 lx (≥ 0.50 lx) ✓	7.94 lx	0.30 (≥ 0.025) ✓	AP2

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 · COR01/02 (Light scene 1)

Summary



Ground area	852.00 m²
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %
Maintenance factor	0.80 (fixed)

Mounting height	3.500 m – 3.900 m
Height Working plane	0.800 m
Wall zone Working plane	0.500 m

Building 1 · Storey 1 · COR01/02 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	295 lx	≥ 250 lx	✓	WP29
	U_o (g_1)	0.47	≥ 0.40	✓	WP29
	Lighting power density	3.43 W/m²	–		
		1.16 W/m²/100 lx	–		
Glare valuation(1)	$R_{UG, max}$	24	≤ 25	✓	
Energy estimation(2)	Consumption	2520 kWh/a	max. 29850 kWh/a	✓	
Space	Lighting power density	2.69 W/m²	–		
		0.91 W/m²/100 lx	–		

(1) Based on a rectangular space of 29.140 m x 117.170 m and SHR of 0.25.
(2) Calculated using DIN:18599-4.

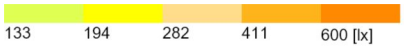
Utilisation profile: Traffic zones inside buildings (9.7 Passes: manned)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	R_{UG}	P	Φ	Luminous efficacy
27	TRILUX		ELINE HE LVW 110 840 L225 1 64	24	57.0 W	10999 lm	193.0 lm/W
16	TRILUX		Tugra 15 PVW 60-840 ETDD PC 23	23	47.0 W	5999 lm	127.6 lm/W

Building 1 · Storey 1 · COR03 (Light scene 1)

Summary



Ground area	431.29 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.900 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · COR03 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	287 lx	≥ 250 lx	✓	WP27
	U_o (g_1)	0.61	≥ 0.40	✓	WP27
	Lighting power density	3.65 W/m²	–		
		1.27 W/m²/100 lx	–		
Energy estimation(2)	Consumption	1254 kWh/a	max. 15100 kWh/a	✓	
Space	Lighting power density	2.64 W/m²	–		
		0.92 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

Utilisation profile: Traffic zones inside buildings (9.7 Passes: manned)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
20	TRILUX		ELINE HE LVW 110 840 L225 1 64	57.0 W	10999 lm	193.0 lm/W

Building 1 · Storey 1 · DH01 (Emergency light scene)

Summary

Ground area	1594.70 m²
Reflection factors	Ceiling: 57.7 %, Walls: 60.5 %, Floor: 20.0 %
Maintenance factor	0.80 (fixed)

Clearance height	4.400 m
Mounting height	4.353 m – 4.363 m
Height $_{\text{Working plane}}$	1.000 m
Wall zone $_{\text{Working plane}}$	0.500 m

Building 1 · Storey 1 · DH01 (Emergency light scene)

Summary

Results

	Symbol	Calculated	Target	Check	Index
	Lighting power density	0.40 W/m²	–		
Space	Lighting power density	0.14 W/m²	–		

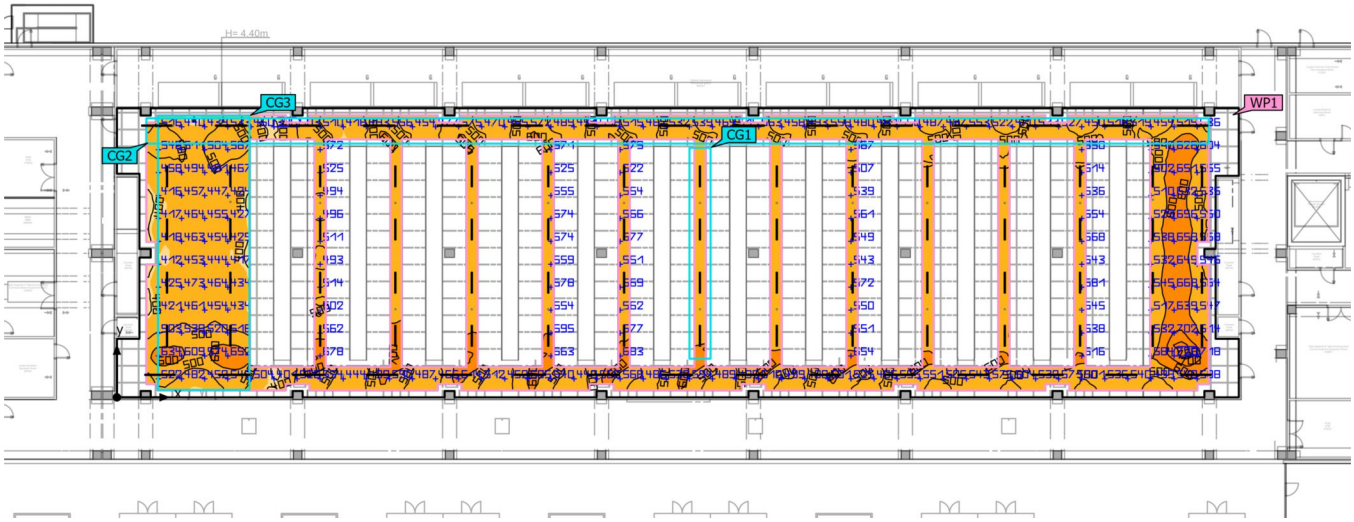
Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

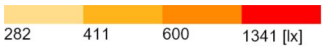
Luminaire list

pcs.	Manufacturer	Article No.	Article name		P	Φ	Luminous efficacy
36	LINERGY S.r.l.	VE1906_A	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 ASIMMETRICO		5.7 W	450 lm	78.9 lm/W
					5.7 W	450 lm (100 %)	–
4	LINERGY S.r.l.	VE1906_S	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 SIMMETRICO		5.7 W	450 lm	78.9 lm/W
					5.7 W	450 lm (100 %)	–

Building 1 · Storey 1 · DH01 (Light scene 1)

Summary





Ground area	1594.70 m²	Clearance height	4.400 m
Reflection factors	Ceiling: 57.7 %, Walls: 60.5 %, Floor: 20.0 %	Mounting height	4.400 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · DH01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	529 lx	≥ 500 lx	✓	WP1
	U_o (g_1)	0.72	≥ 0.70	✓	WP1
	Lighting power density	8.87 W/m²	–		
		1.68 W/m²/100 lx	–		
Energy estimation(2)	Consumption	11340 kWh/a	max. 55850 kWh/a	✓	
Space	Lighting power density	3.16 W/m²	–		
		0.60 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

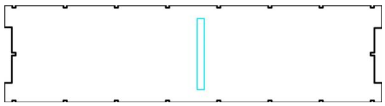
Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

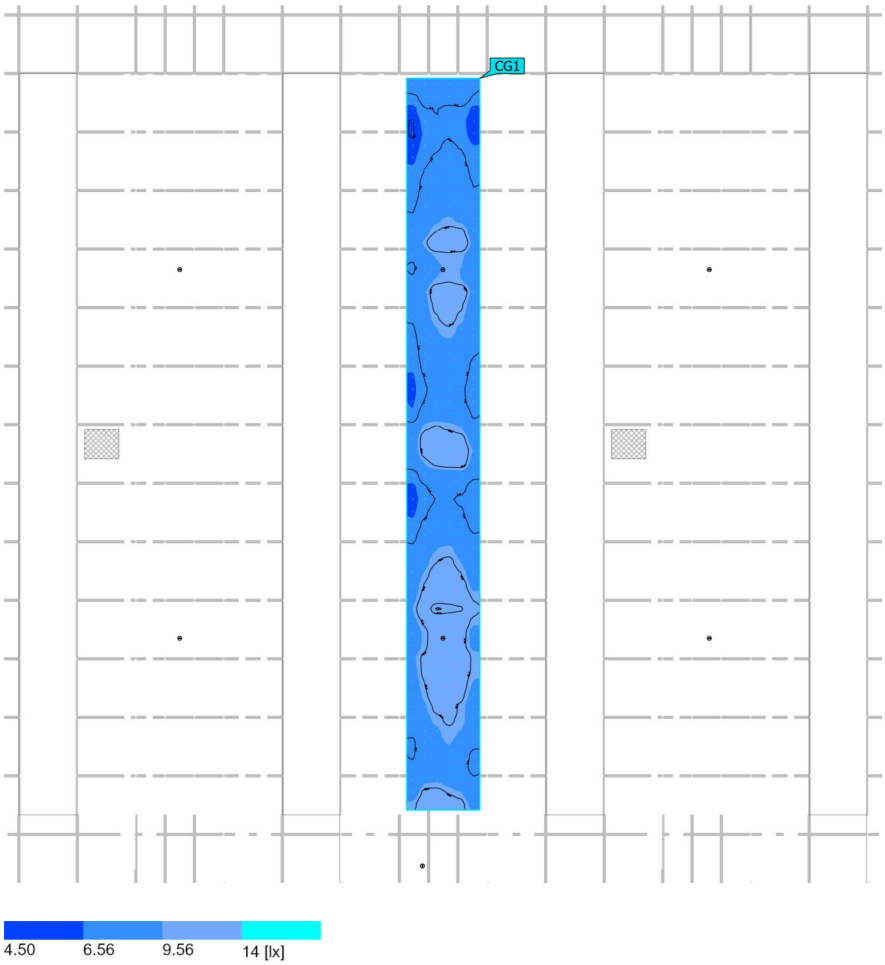
Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
30	TRILUX		ELINE HE LW 130 840 L225 1 64	68.0 W	12999 lm	191.2 lm/W
60	TRILUX		ELINE HE LW 90 840 L150 1 64	50.0 W	8999 lm	180.0 lm/W

Building 1 · Storey 1 · DH01 (Emergency light scene)

Cold Corridor



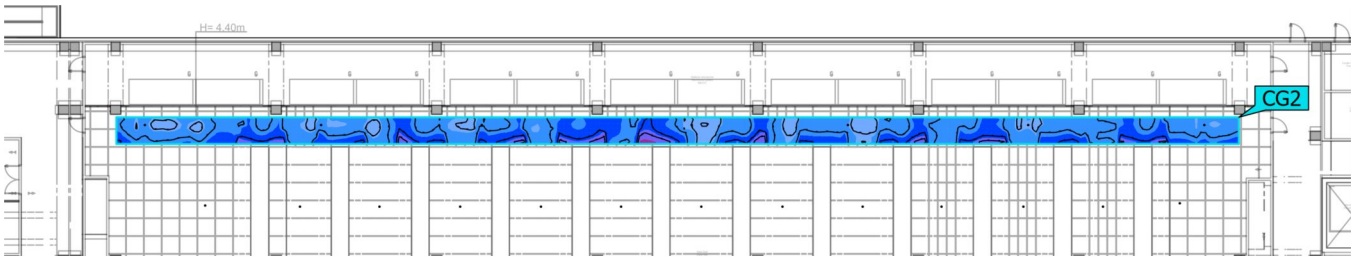


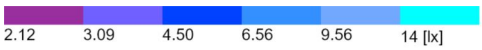
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Cold Corridor Perpendicular illuminance Height: 1.000 m	8.81 lx	5.96 lx	12.6 lx	0.68	0.47	CG1

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 · DH01 (Emergency light scene)

Camminamento Periferico



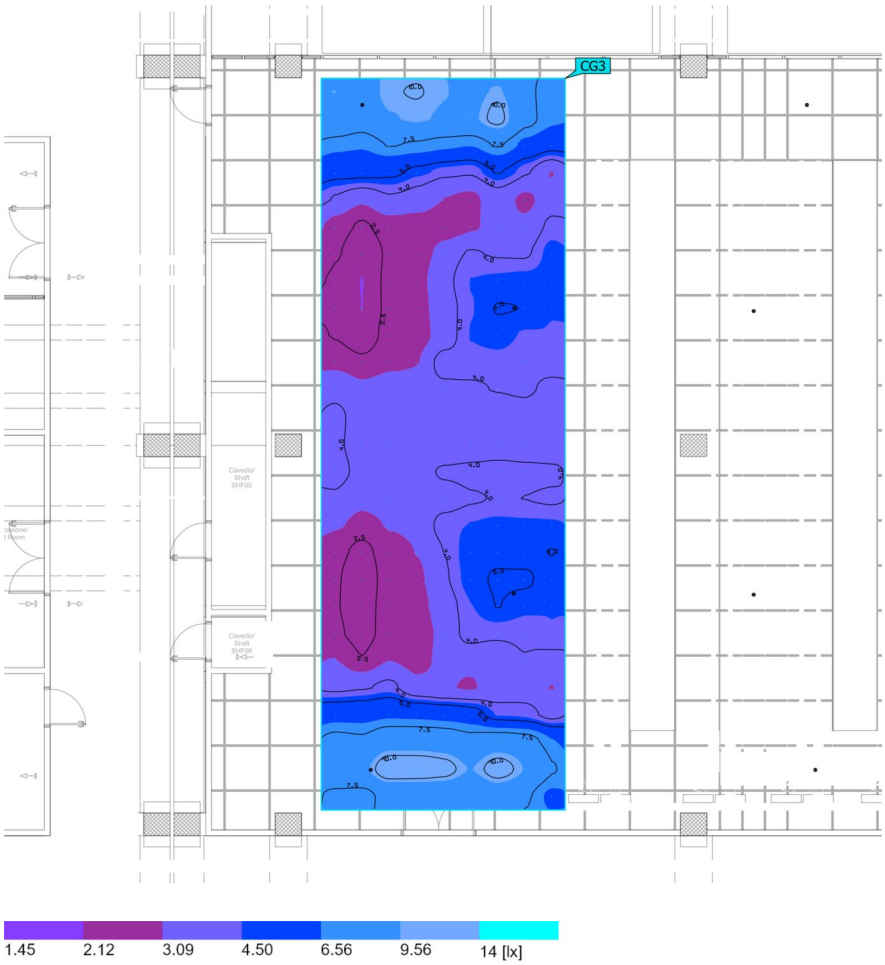


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Camminamento Periferico Perpendicular illuminance Height: 1.000 m	7.43 lx	2.62 lx	12.1 lx	0.35	0.22	CG2

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 · DH01 (Emergency light scene)

Area Aperta

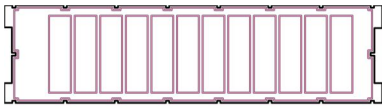


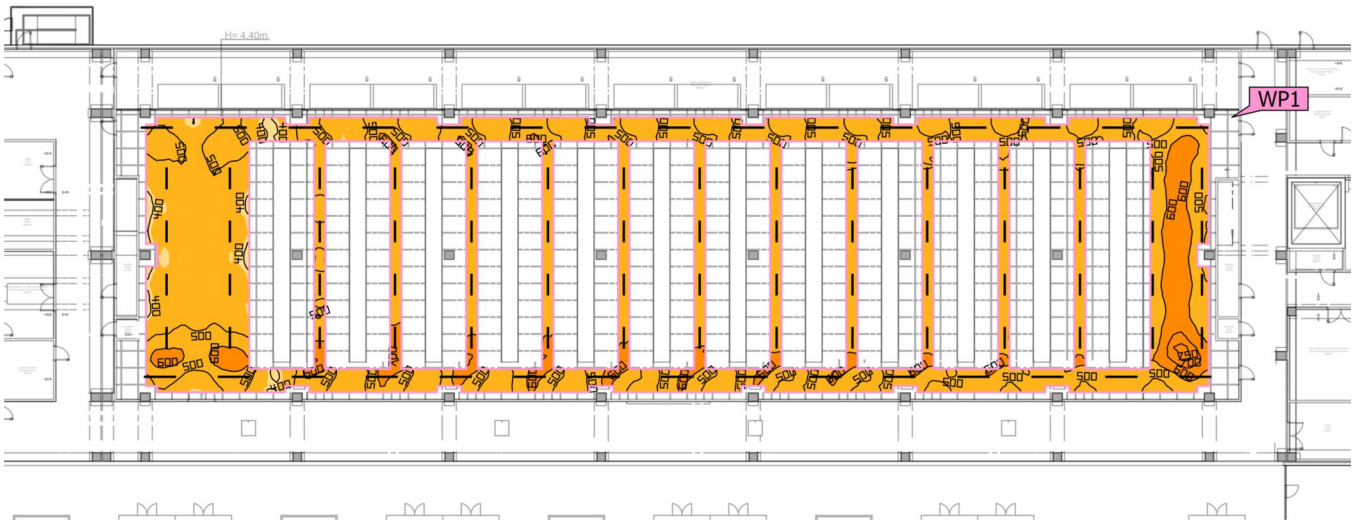
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Area Aperta Perpendicular illuminance Height: 1.000 m	4.76 lx	2.11 lx	10.8 lx	0.44	0.20	CG3

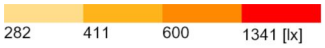
Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 · DH01 (Light scene 1)

Working plane (DH01)





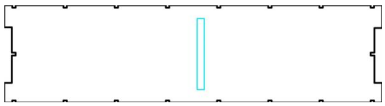


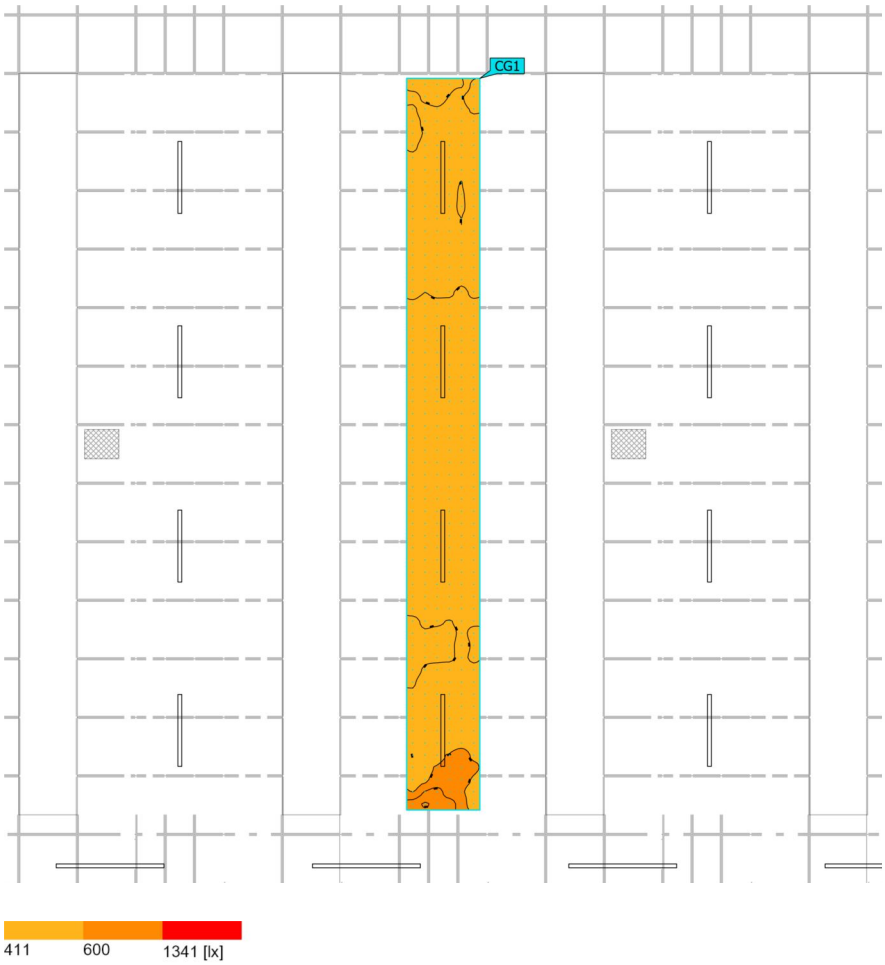
Properties	Ē (Target)	E_{min}	E_{max}	U_o (g_1) (Target)	g_2	Index
Working plane (DH01) Perpendicular illuminance (adaptive) Height: 1.000 m, Wall zone: 0.500 m	529 lx (≥ 500 lx) ✓	381 lx	767 lx	0.72 (≥ 0.70) ✓	0.50	WP1

Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

Building 1 · Storey 1 · DH01 (Light scene 1)

Cold Corridor



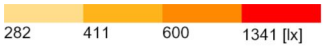


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Cold Corridor Perpendicular illuminance Height: 1.000 m	561 lx	478 lx	704 lx	0.85	0.68	CG1

Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

Building 1 · Storey 1 · DH01 (Light scene 1)

Camminamento Periferico



Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Camminamento Periferico Perpendicular illuminance Height: 1.000 m	507 lx	369 lx	647 lx	0.73	0.57	CG2

Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

Building 1 · Storey 1 · DH01 (Light scene 1)

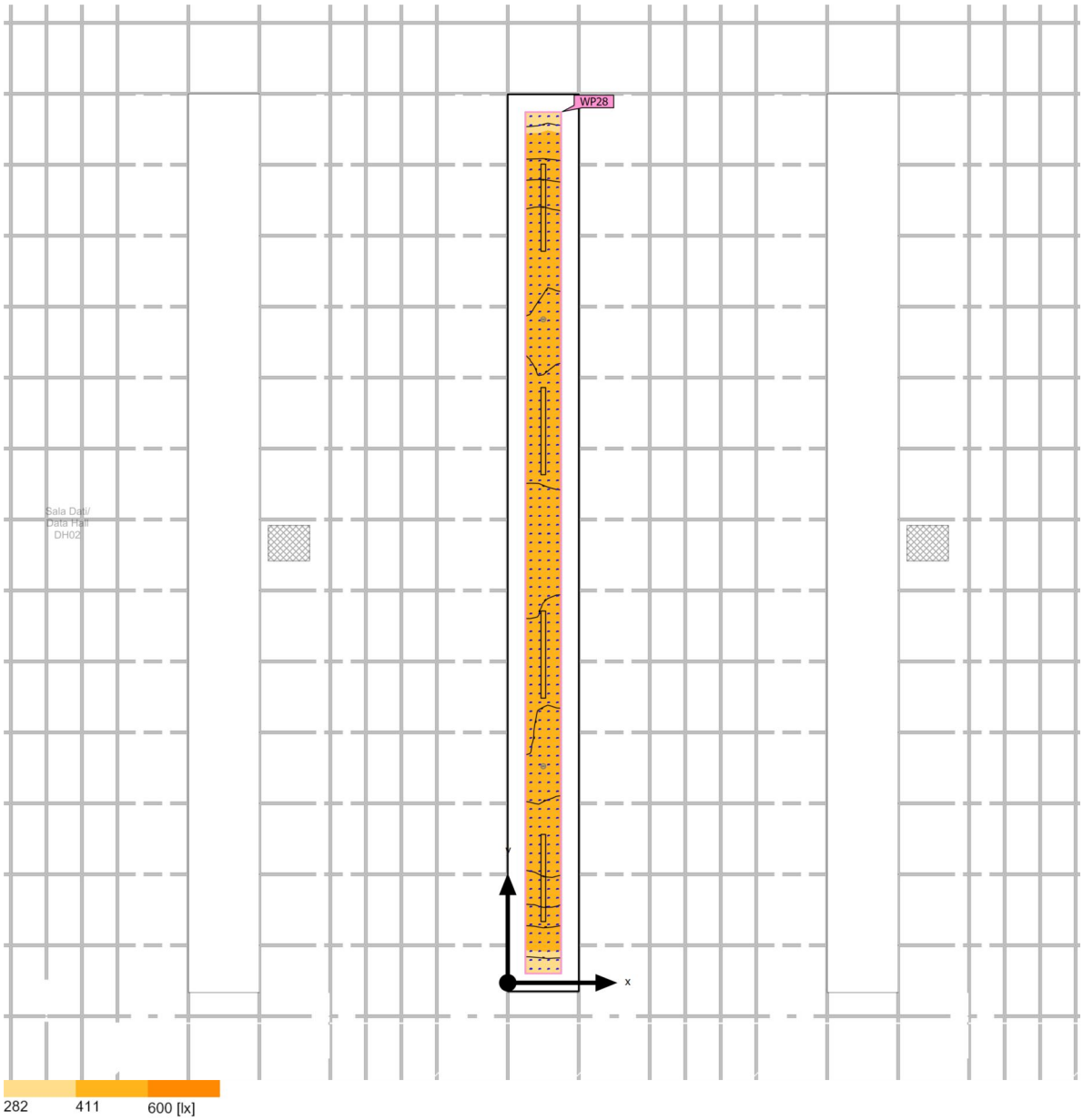
Area Aperta

Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Area Aperta Perpendicular illuminance Height: 1.000 m	480 lx	403 lx	654 lx	0.84	0.62	CG3

Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

Building 1 · Storey 1 · DH2 - Hot Corridor (Light scene 1)

Summary



Ground area	18.20 m²	Clearance height	4.400 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	4.400 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · DH2 - Hot Corridor (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	523 lx	≥ 500 lx	✓	WP28
	U_o (g_1)	0.73	≥ 0.70	✓	WP28
	Lighting power density	22.88 W/m²	–		
		4.37 W/m²/100 lx	–		
Energy estimation(2)	Consumption	450 kWh/a	max. 650 kWh/a	✓	
Space	Lighting power density	10.99 W/m²	–		
		2.10 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

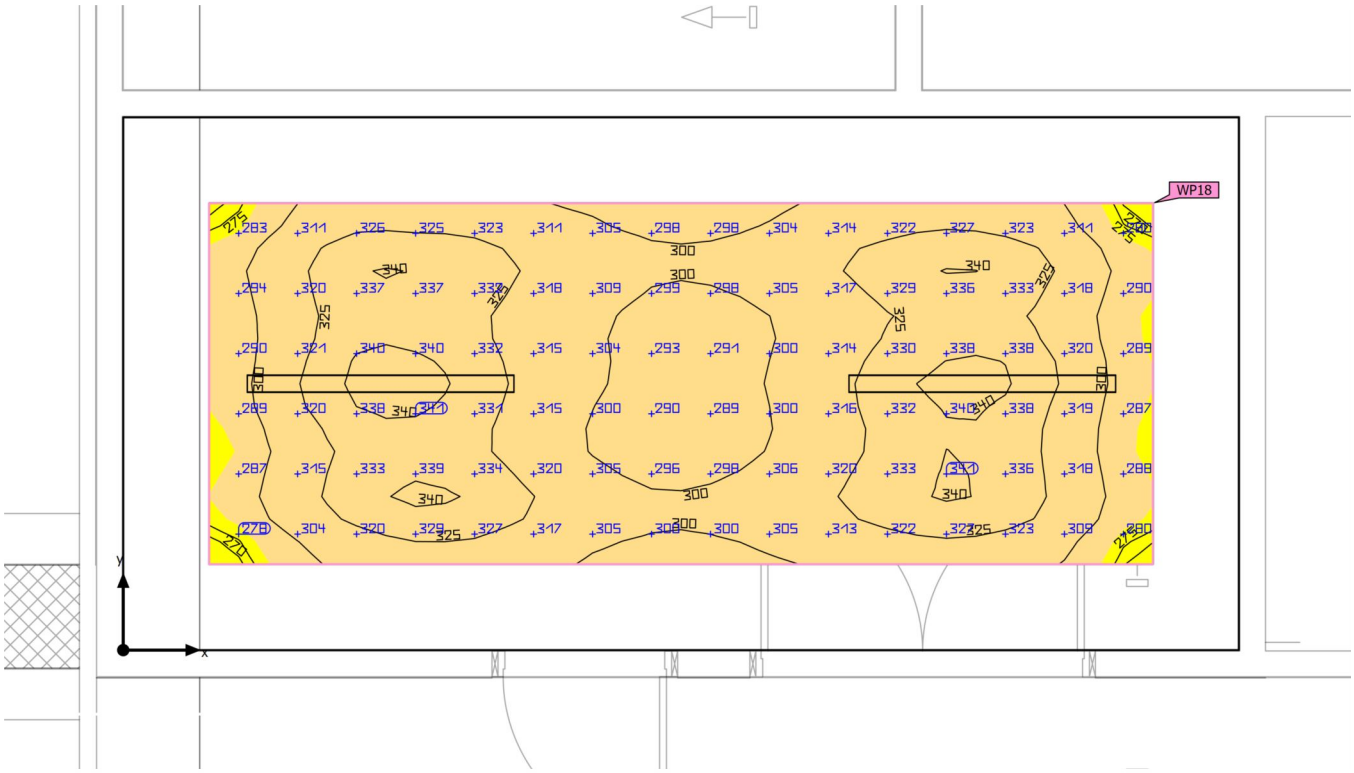
Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	TRILUX		ELINE HE LN 90 840 L150 1 64	50.0 W	8999 lm	180.0 lm/W

Building 1 · Storey 1 · ER01 (Light scene 1)

Summary



194 282 411 [lx]

Ground area	20.12 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · ER01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	314 lx	≥ 300 lx	✓	WP18
	U_o (g_1)	0.85	≥ 0.40	✓	WP18
	Lighting power density	7.63 W/m²	–		
		2.43 W/m²/100 lx	–		
Energy estimation(2)	Consumption	218 kWh/a	max. 750 kWh/a	✓	
Space	Lighting power density	4.37 W/m²	–		
		1.39 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

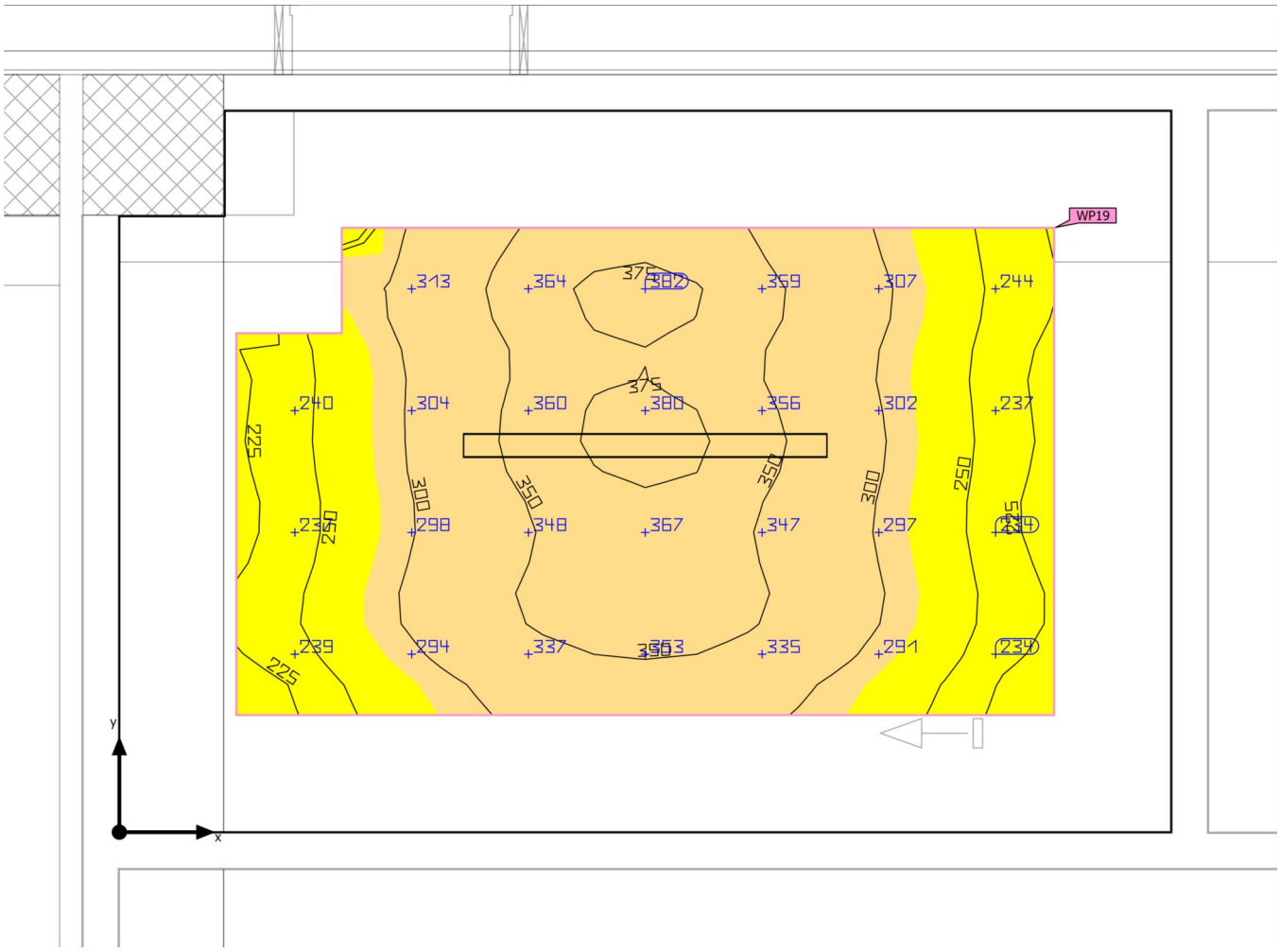
Utilisation profile: General areas inside buildings - Control rooms (11.3 Surveillance room)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	TRILUX		OleveonF 15 B 6000-840 ETDD PC	44.0 W	6000 lm	136.4 lm/W
				44.0 W	6000 lm (100 %)	–

Building 1 · Storey 1 · FCR01 (Light scene 1)

Summary



194 282 411 [lx]

Ground area	13.62 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · FCR01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	308 lx	≥ 300 lx	✓	WP19
	U_o (g_1)	0.69	≥ 0.40	✓	WP19
	Lighting power density	8.08 W/m²	–		
		2.62 W/m²/100 lx	–		
Energy estimation(2)	Consumption	141 kWh/a	max. 500 kWh/a	✓	
Space	Lighting power density	4.18 W/m²	–		
		1.36 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

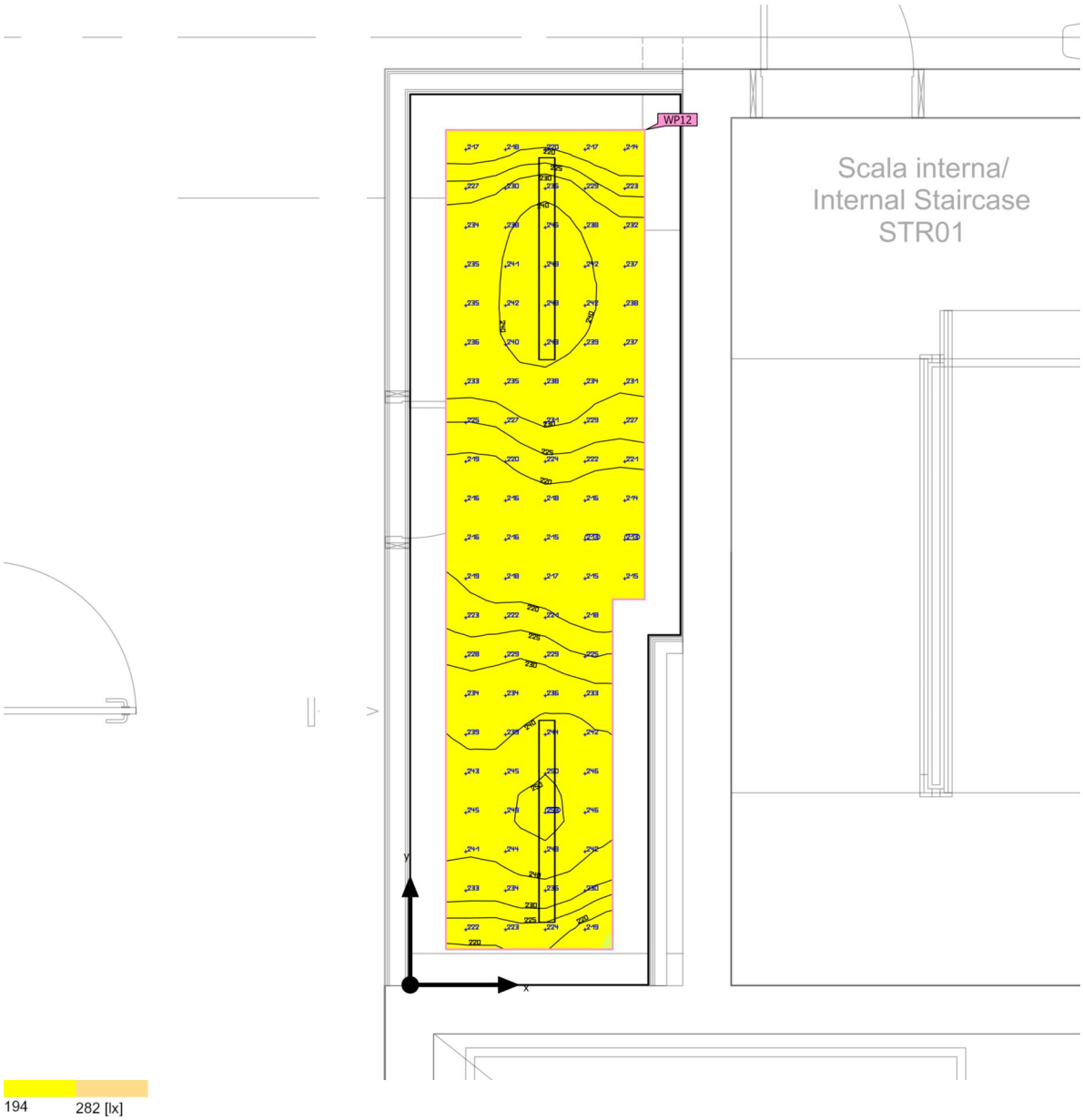
Utilisation profile: General areas inside buildings - Control rooms (11.3 Surveillance room)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		OleveonF 15 B 8000-840 ETDD PC	57.0 W	7700 lm	135.1 lm/W

Building 1 · Storey 1 · JAN01 (Light scene 1)

Summary



Ground area	8.87 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.222 m

Building 1 · Storey 1 · JAN01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	231 lx	≥ 150 lx	✓	WP12
	U_o (g_1)	0.92	≥ 0.40	✓	WP12
	Lighting power density	9.55 W/m²	–		
		4.14 W/m²/100 lx	–		
Energy estimation(2)	Consumption	153 kWh/a	max. 350 kWh/a	✓	
Space	Lighting power density	6.31 W/m²	–		
		2.74 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

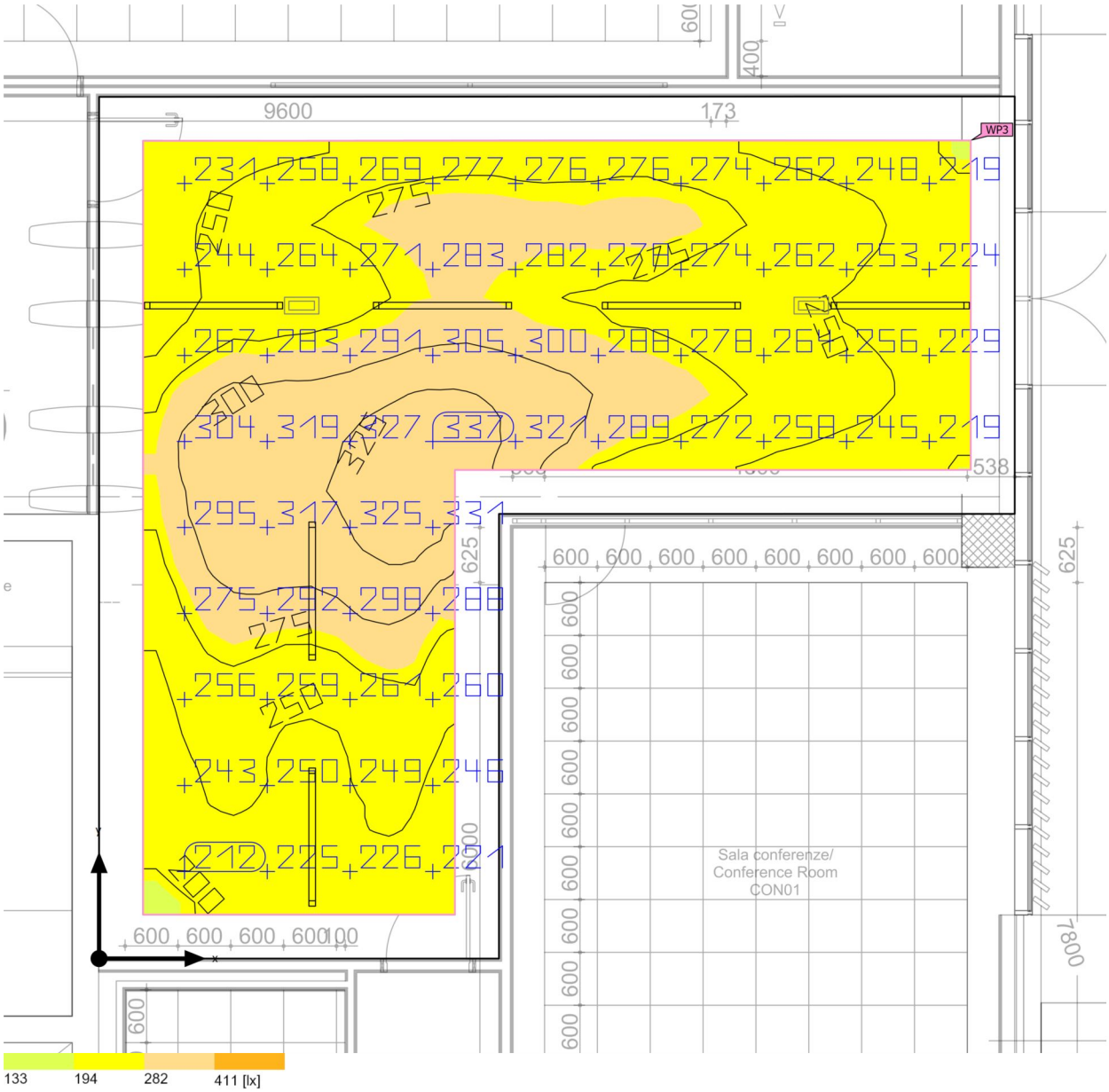
Utilisation profile: General areas inside buildings - Rest, sanitation and first aid rooms (10.8 General cleaning)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	TRILUX		OleveonF 12 B 4000-840 ET PC	28.0 W	3900 lm	139.3 lm/W

Building 1 · Storey 1 · LOB01 (Light scene 1)

Summary



Ground area	72.18 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · LOB01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	270 lx	≥ 250 lx	✓	WP3
	U_o (g_1)	0.68	≥ 0.60	✓	WP3
	Lighting power density	5.32 W/m²	–		
		1.97 W/m²/100 lx	–		
Energy estimation(2)	Consumption	310 kWh/a	max. 2550 kWh/a	✓	
Space	Lighting power density	3.91 W/m²	–		
		1.45 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

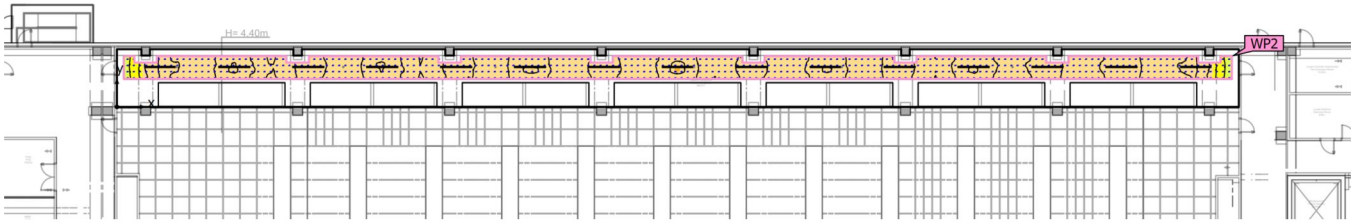
Utilisation profile: Traffic zones inside buildings (9.1 Circulation areas and corridors)

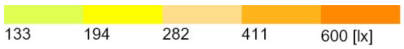
Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	TRILUX		Tugra 15 PVW 60-840 ETDD PC 23	47.0 W	5999 lm	127.6 lm/W

Building 1 · Storey 1 · MEC01 (Light scene 1)

Summary





Ground area	325.14 m²
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %
Maintenance factor	0.80 (fixed)

Clearance height	6.340 m
Mounting height	4.400 m
Height Working plane	1.000 m
Wall zone Working plane	0.500 m

Building 1 · Storey 1 · MEC01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	341 lx	≥ 300 lx	✓	WP2
	U_o (g_1)	0.52	≥ 0.40	✓	WP2
	Lighting power density	7.09 W/m²	–		
		2.08 W/m²/100 lx	–		
Energy estimation(2)	Consumption	1924 kWh/a	max. 11400 kWh/a	✓	
Space	Lighting power density	2.63 W/m²	–		
		0.77 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

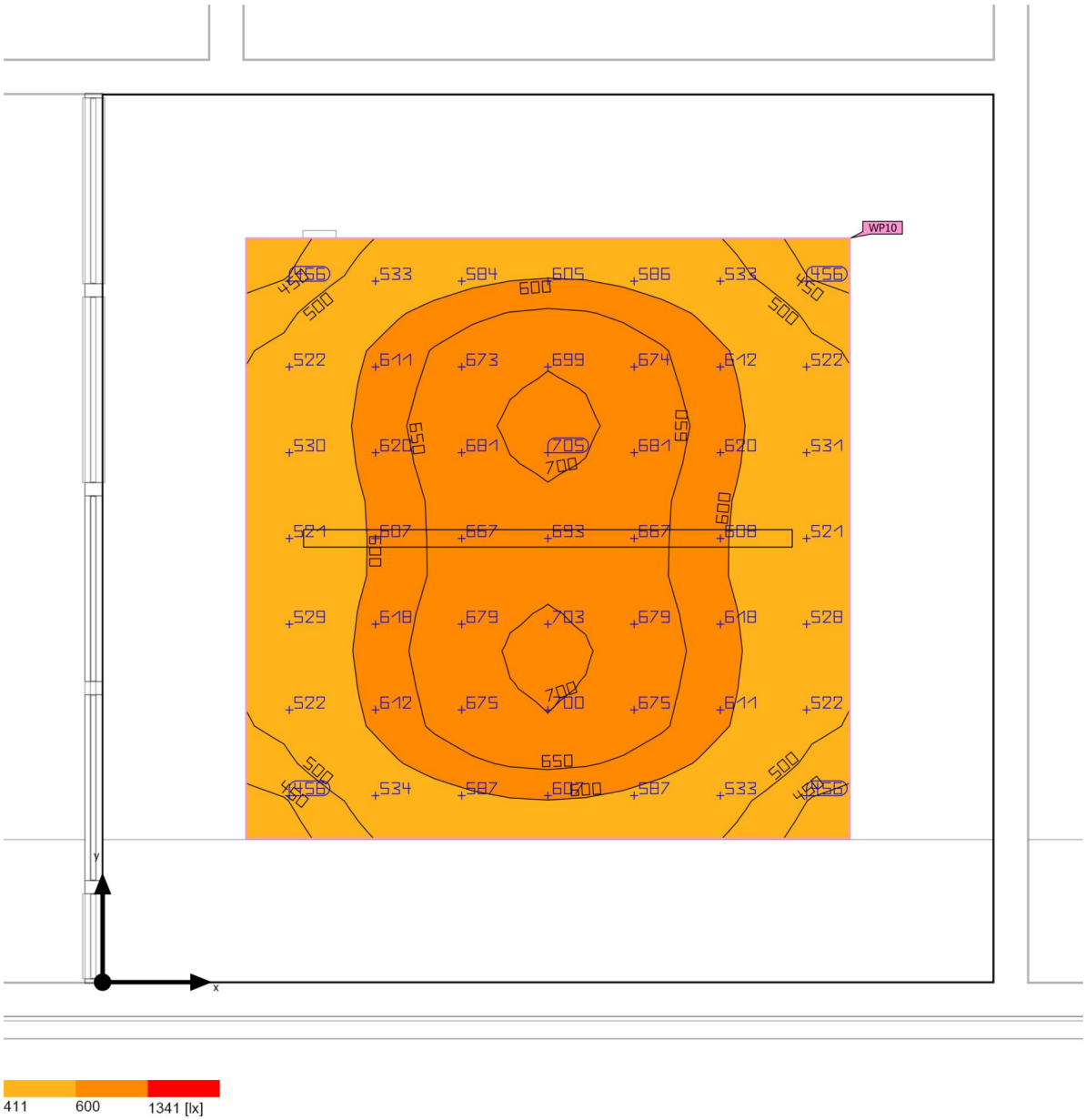
Utilisation profile: Industrial activities and crafts - Power stations (28.3 Machine halls)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
15	TRILUX		ELINE HE LVW 110 840 L225 1 64	57.0 W	10999 lm	193.0 lm/W

Building 1 · Storey 1 · MMR01 (Light scene 1)

Summary



Ground area	16.18 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.650 m

Building 1 · Storey 1 · MMR01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	596 lx	≥ 500 lx	✓	WP10
	U_o (g_1)	0.71	≥ 0.70	✓	WP10
	Lighting power density	9.17 W/m²	–		
		1.54 W/m²/100 lx	–		
Energy estimation(2)	Consumption	153 kWh/a	max. 600 kWh/a	✓	
Space	Lighting power density	4.20 W/m²	–		
		0.71 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

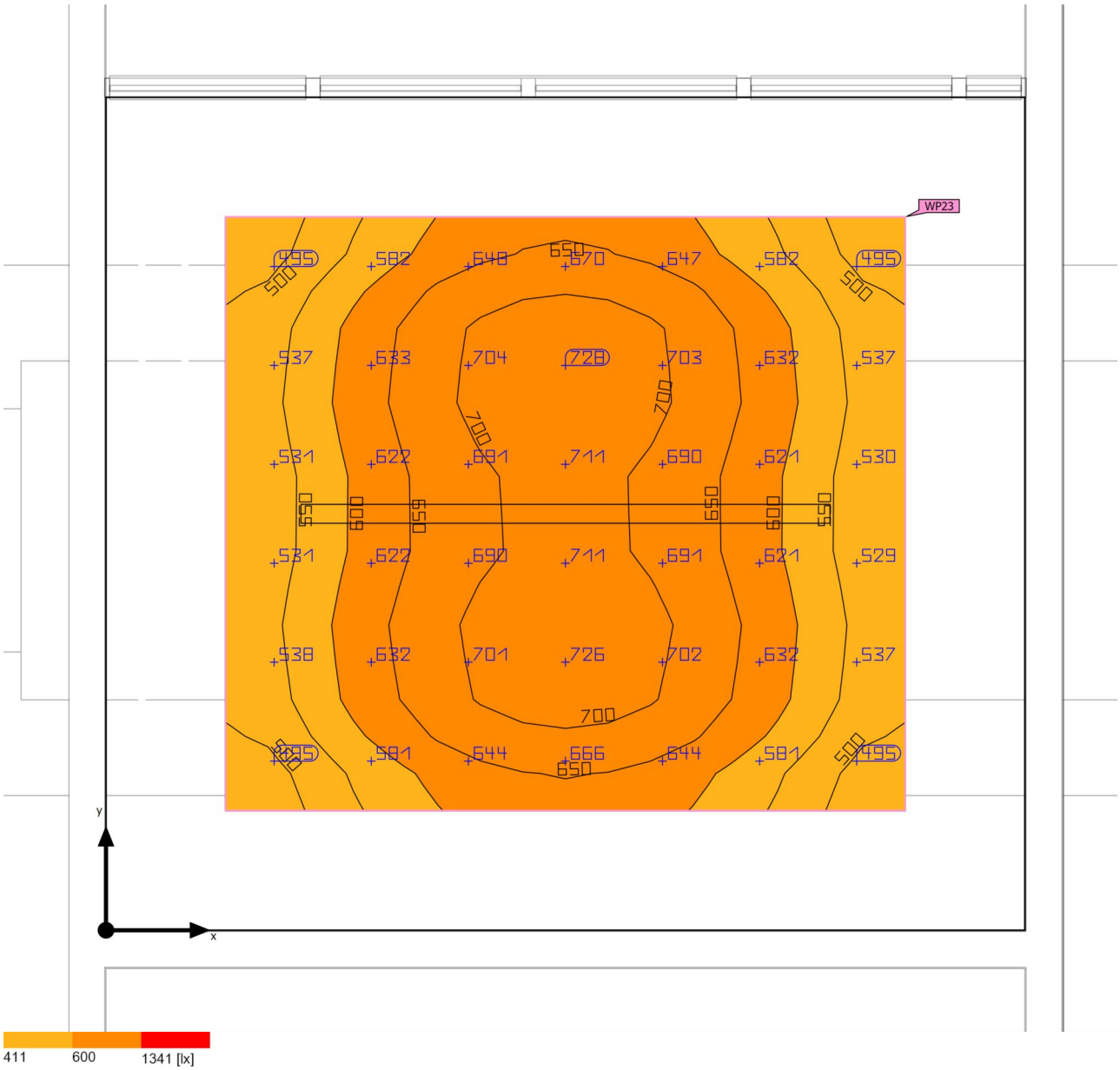
Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		ELINE HE LW 130 840 L225 1 64	68.0 W	12999 lm	191.2 lm/W

Building 1 · Storey 1 · MMR02 (Light scene 1)

Summary



Ground area	13.36 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · MMR02 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	620 lx	≥ 500 lx	✓	WP23
	U_o (g_1)	0.75	≥ 0.70	✓	WP23
	Lighting power density	9.65 W/m²	–		
		1.56 W/m²/100 lx	–		
Energy estimation(2)	Consumption	153 kWh/a	max. 500 kWh/a	✓	
Space	Lighting power density	5.09 W/m²	–		
		0.82 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

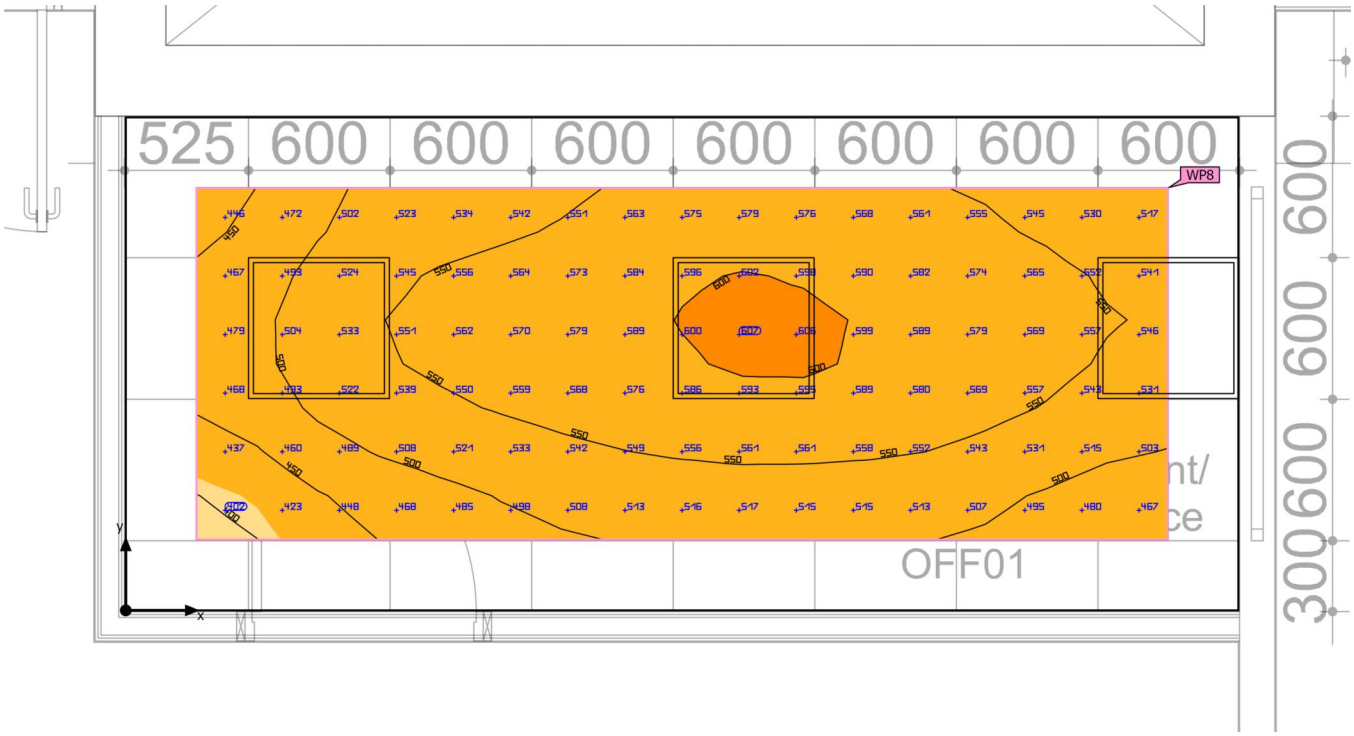
Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

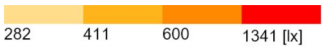
Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		ELINE HE LW 130 840 L225 1 64	68.0 W	12999 lm	191.2 lm/W

Building 1 · Storey 1 · OFF01 (Light scene 1)

Summary





Ground area	9.85 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · OFF01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	537 lx	≥ 500 lx	✓	WP8
	U_o (g_1)	0.74	≥ 0.40	✓	WP8
	Lighting power density	10.76 W/m²	–		
		2.00 W/m²/100 lx	–		
Energy estimation(2)	Consumption	163 kWh/a	max. 350 kWh/a	✓	
Space	Lighting power density	6.70 W/m²	–		
		1.25 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

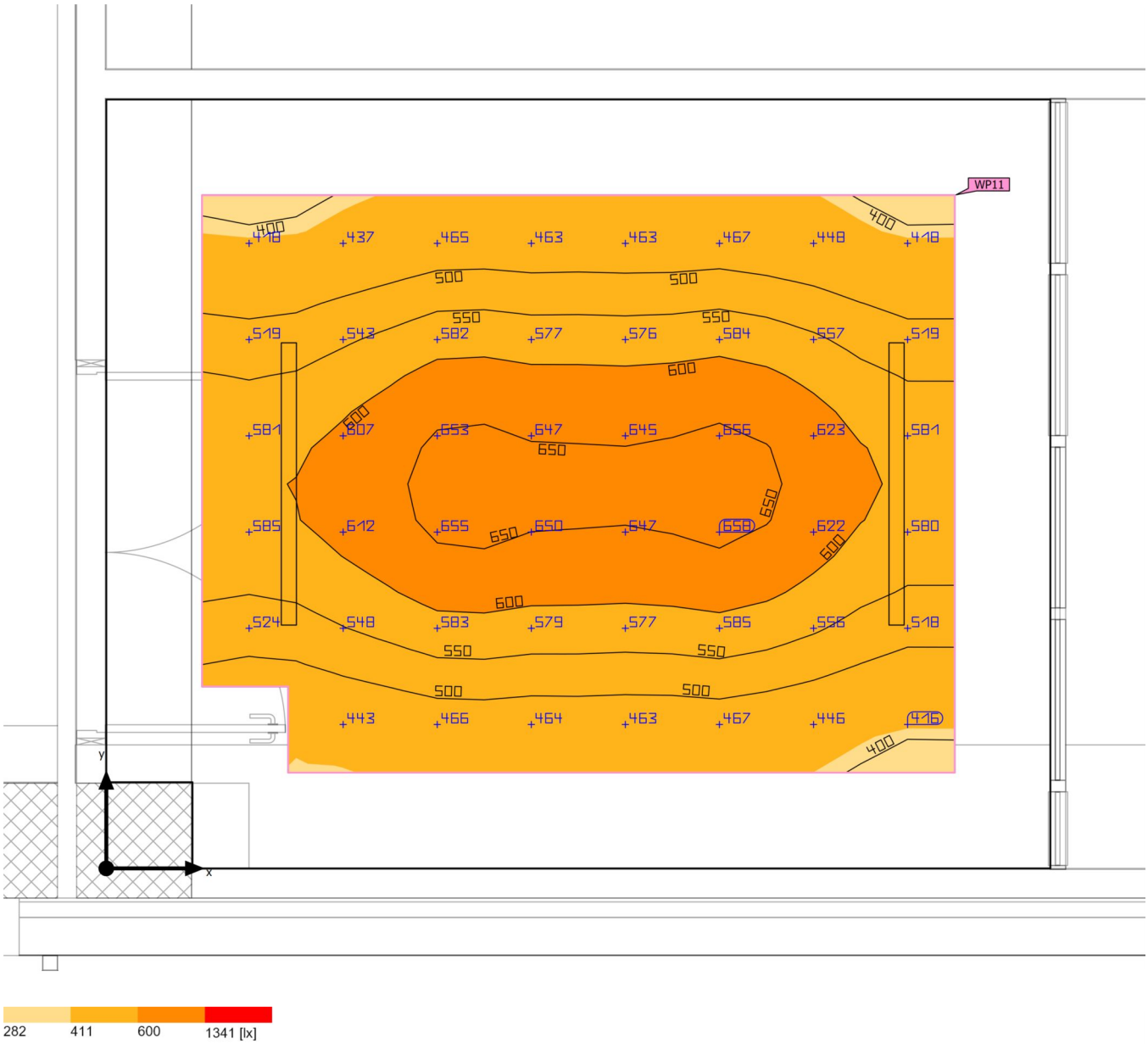
Utilisation profile: Offices (34.2 Writing, typewriting, reading, data processing)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	TRILUX		ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 1)	22.0 W	3800 lm	172.7 lm/W

Building 1 · Storey 1 · POE01 (Light scene 1)

Summary



Ground area	19.59 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · POE01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	545 lx	≥ 500 lx	✓	WP11
	U_o (g_1)	0.71	≥ 0.70	✓	WP11
	Lighting power density	8.59 W/m²	–		
		1.57 W/m²/100 lx	–		
Energy estimation(2)	Consumption	225 kWh/a	max. 700 kWh/a	✓	
Space	Lighting power density	5.10 W/m²	–		
		0.94 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

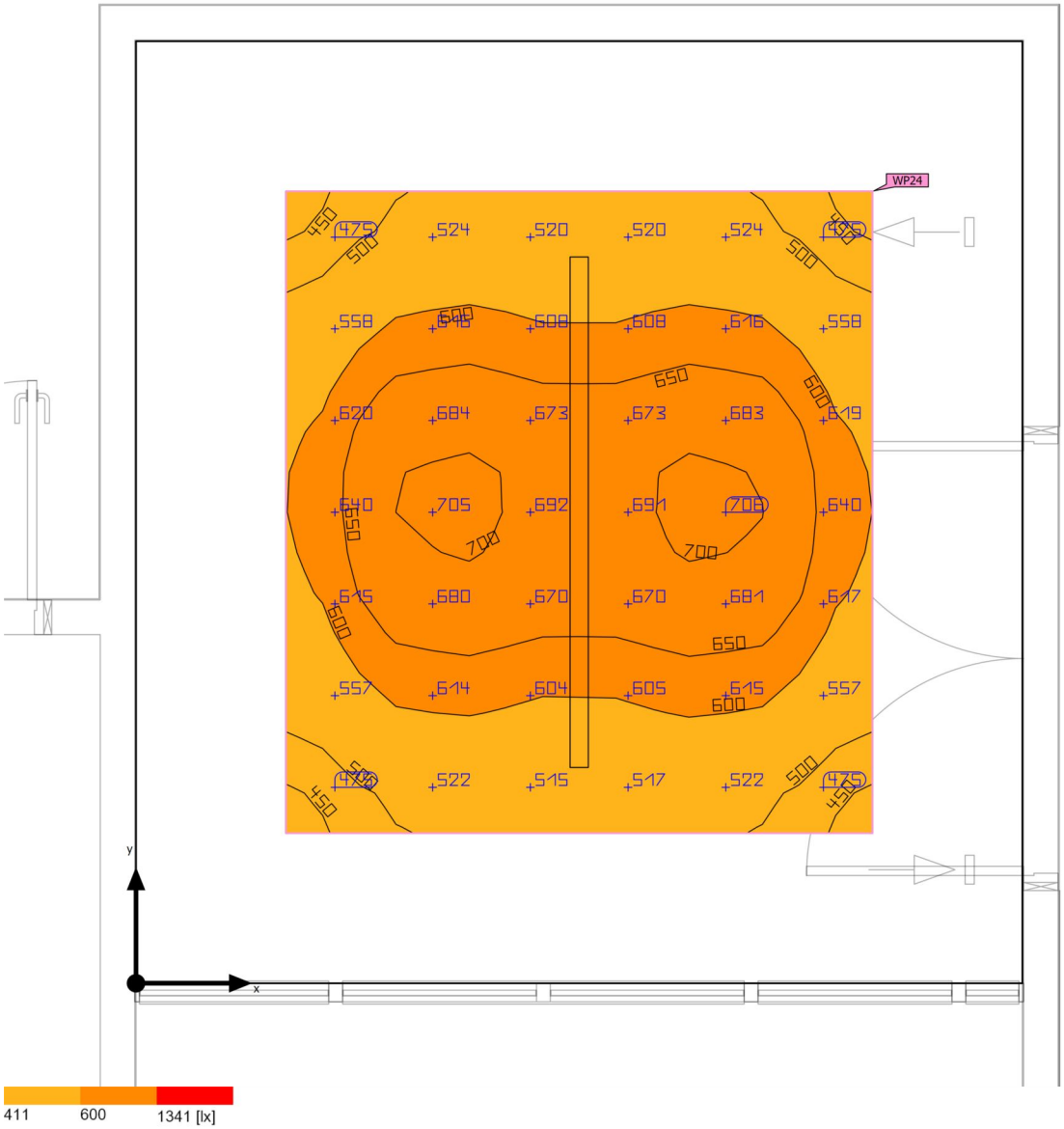
Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	TRILUX		ELINE HE LW 90 840 L150 1 64	50.0 W	8999 lm	180.0 lm/W

Building 1 · Storey 1 · POE02 (Light scene 1)

Summary



Ground area	15.67 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.650 m

Building 1 · Storey 1 · POE02 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	601 lx	≥ 500 lx	✓	WP24
	U_o (g_1)	0.73	≥ 0.70	✓	WP24
	Lighting power density	9.63 W/m²	–		
		1.60 W/m²/100 lx	–		
Energy estimation(2)	Consumption	153 kWh/a	max. 550 kWh/a	✓	
Space	Lighting power density	4.34 W/m²	–		
		0.72 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

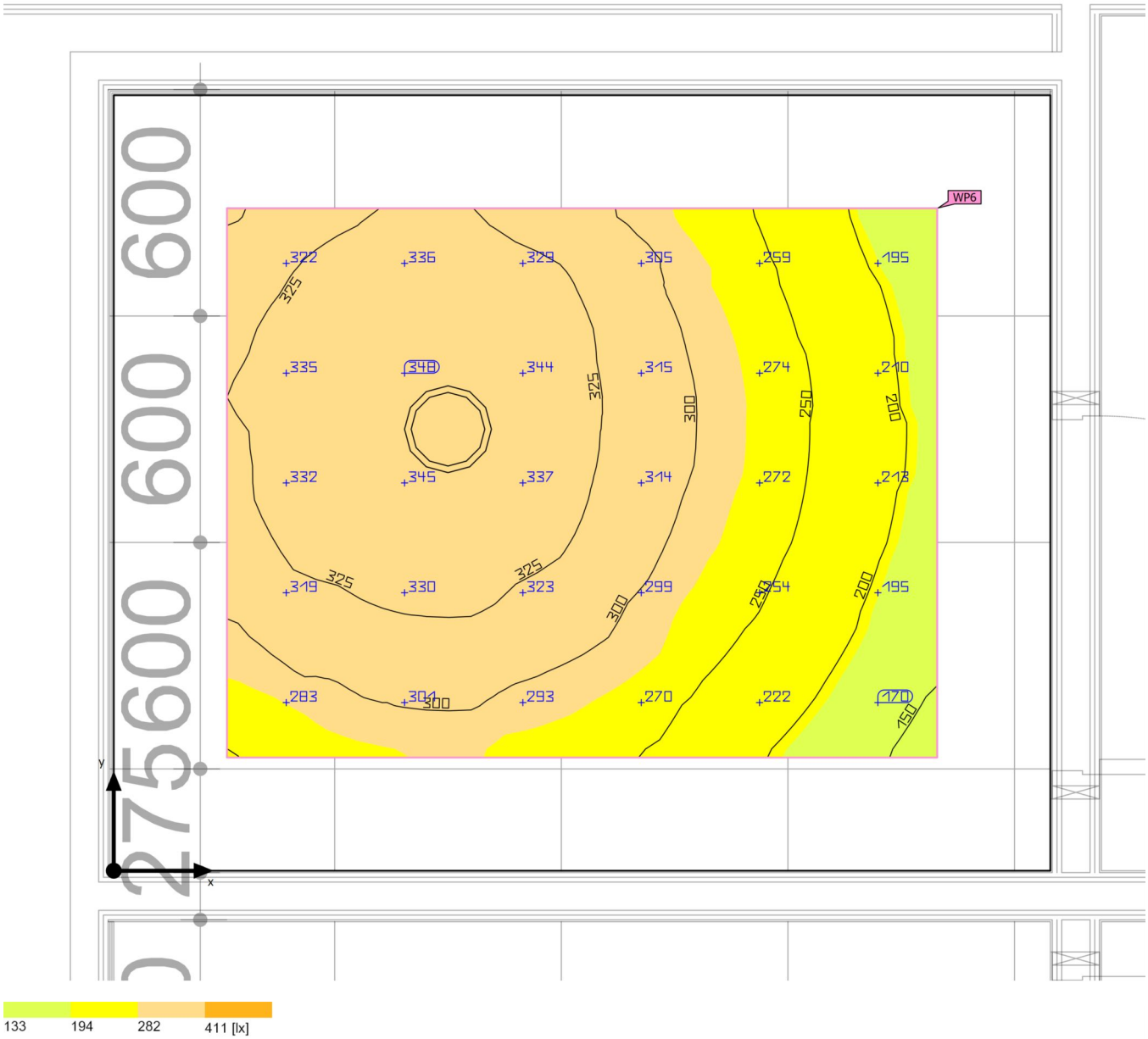
Utilisation profile: Industrial activities and crafts - Power stations (28.5 Control rooms)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		ELINE HE LW 130 840 L225 1 64	68.0 W	12999 lm	191.2 lm/W

Building 1 · Storey 1 · RES05 (Light scene 1)

Summary



Ground area	5.10 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · RES05 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	287 lx	≥ 200 lx	✓	WP6
	U_o (g_1)	0.47	≥ 0.40	✓	WP6
	Lighting power density	7.31 W/m²	–		
		2.55 W/m²/100 lx	–		
Energy estimation(2)	Consumption	16.5 kWh/a	max. 200 kWh/a	✓	
Space	Lighting power density	3.92 W/m²	–		
		1.37 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

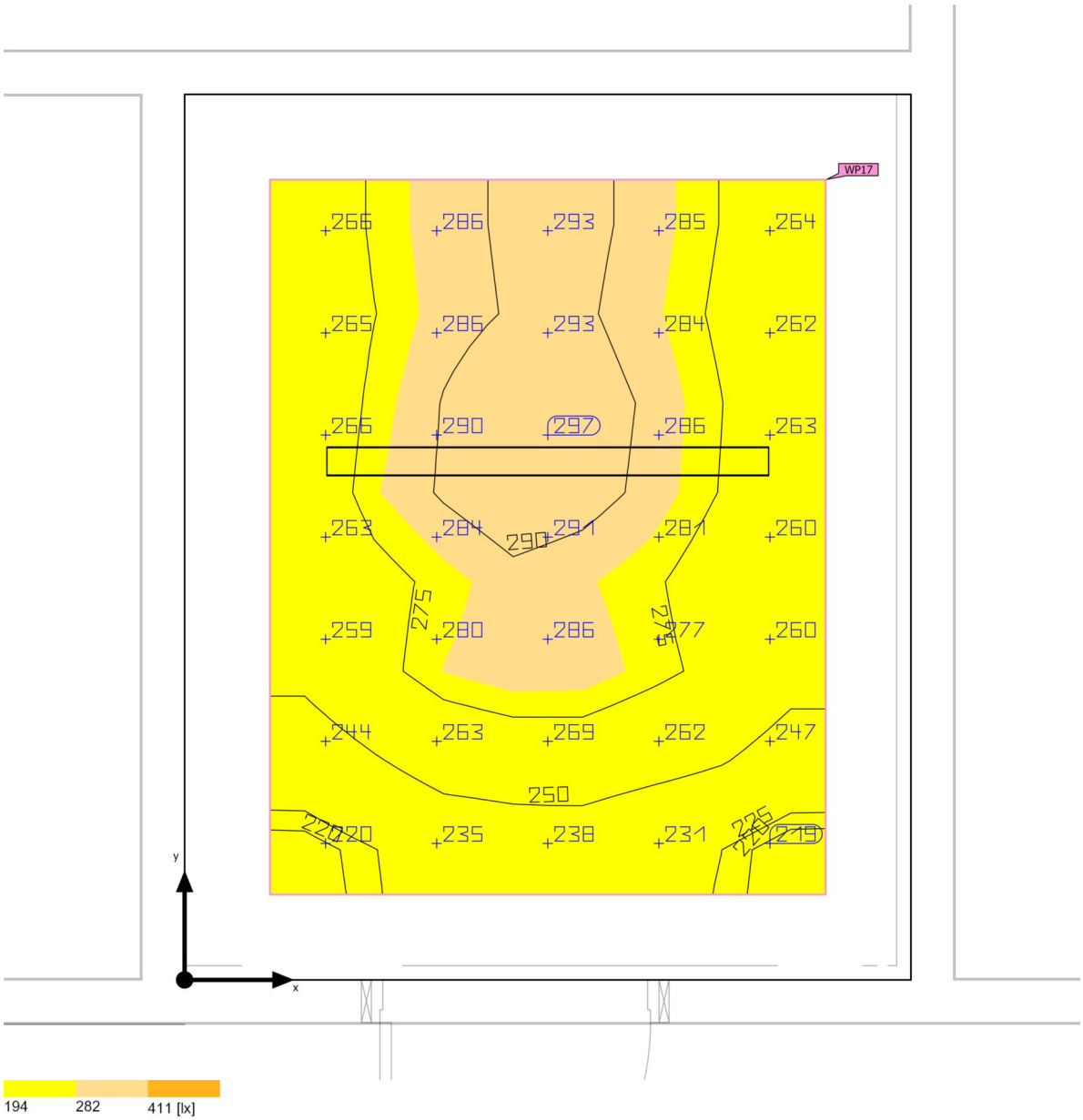
Utilisation profile: General areas inside buildings - Rest, sanitation and first aid rooms (10.4 Cloakrooms, washrooms, bathrooms, toilets)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 2)	20.0 W	2600 lm	130.0 lm/W

Building 1 · Storey 1 · SHF01 (Light scene 1)

Summary



Ground area	7.93 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · SHF01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	268 lx	≥ 200 lx	✓	WP17
	U_o (g_1)	0.79	≥ 0.40	✓	WP17
	Lighting power density	8.99 W/m²	–		
		3.36 W/m²/100 lx	–		
Energy estimation(2)	Consumption	7.26 kWh/a	max. 300 kWh/a	✓	
Space	Lighting power density	5.55 W/m²	–		
		2.07 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

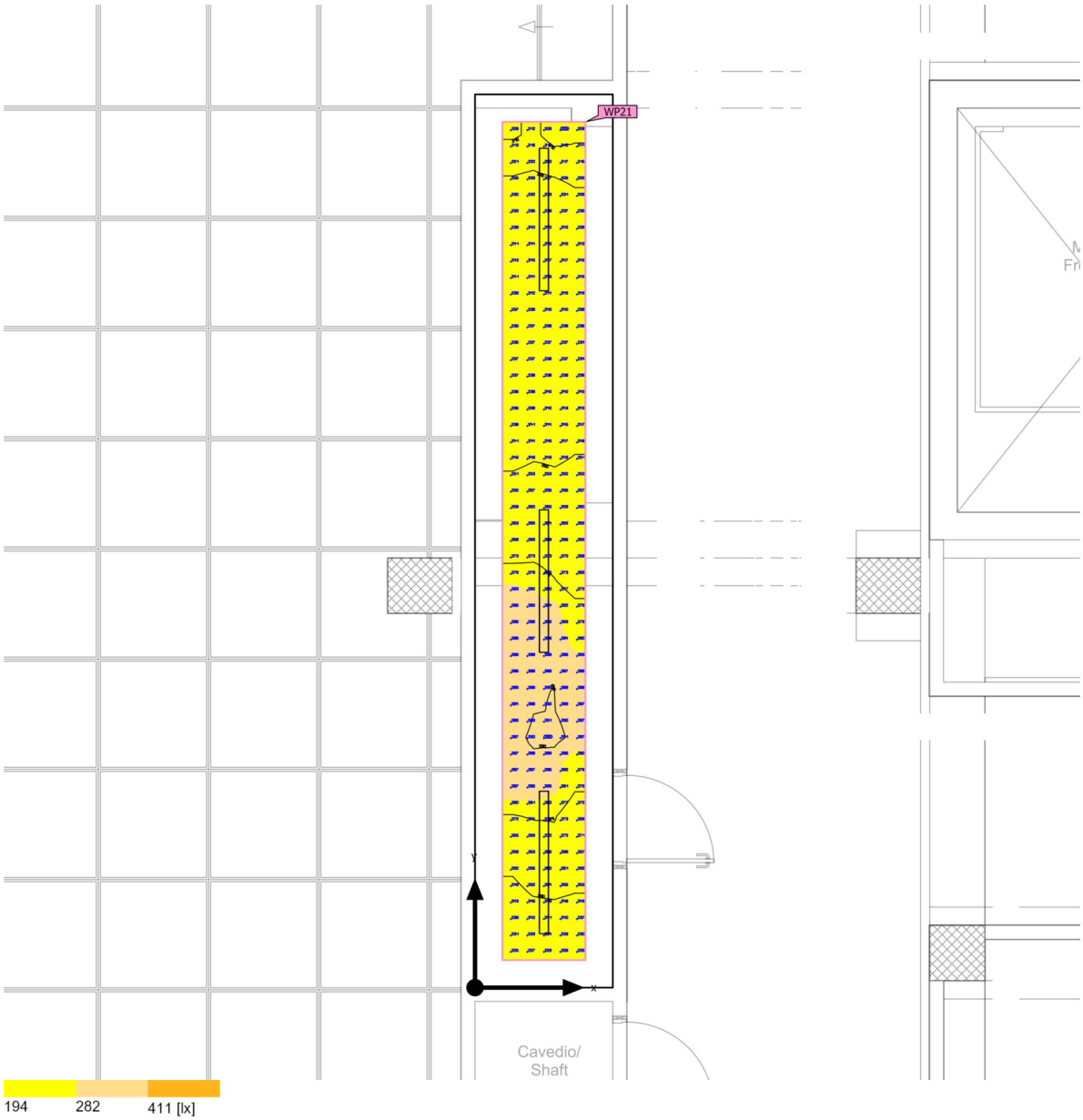
Utilisation profile: General areas inside buildings - Control rooms (11.1 Plant rooms, switchgear rooms)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		OleveonF 15 B 6000-840 ETDD PC	44.0 W	6000 lm	136.4 lm/W
				44.0 W	6000 lm (100 %)	–

Building 1 · Storey 1 · SHF04 (Light scene 1)

Summary



Ground area	14.59 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	4.400 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · SHF04 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	256 lx	≥ 200 lx	✓	WP21
	U_o (g_1)	0.80	≥ 0.40	✓	WP21
	Lighting power density	16.07 W/m²	–		
		6.28 W/m²/100 lx	–		
Energy estimation(2)	Consumption	21.8 kWh/a	max. 550 kWh/a	✓	
Space	Lighting power density	9.05 W/m²	–		
		3.54 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

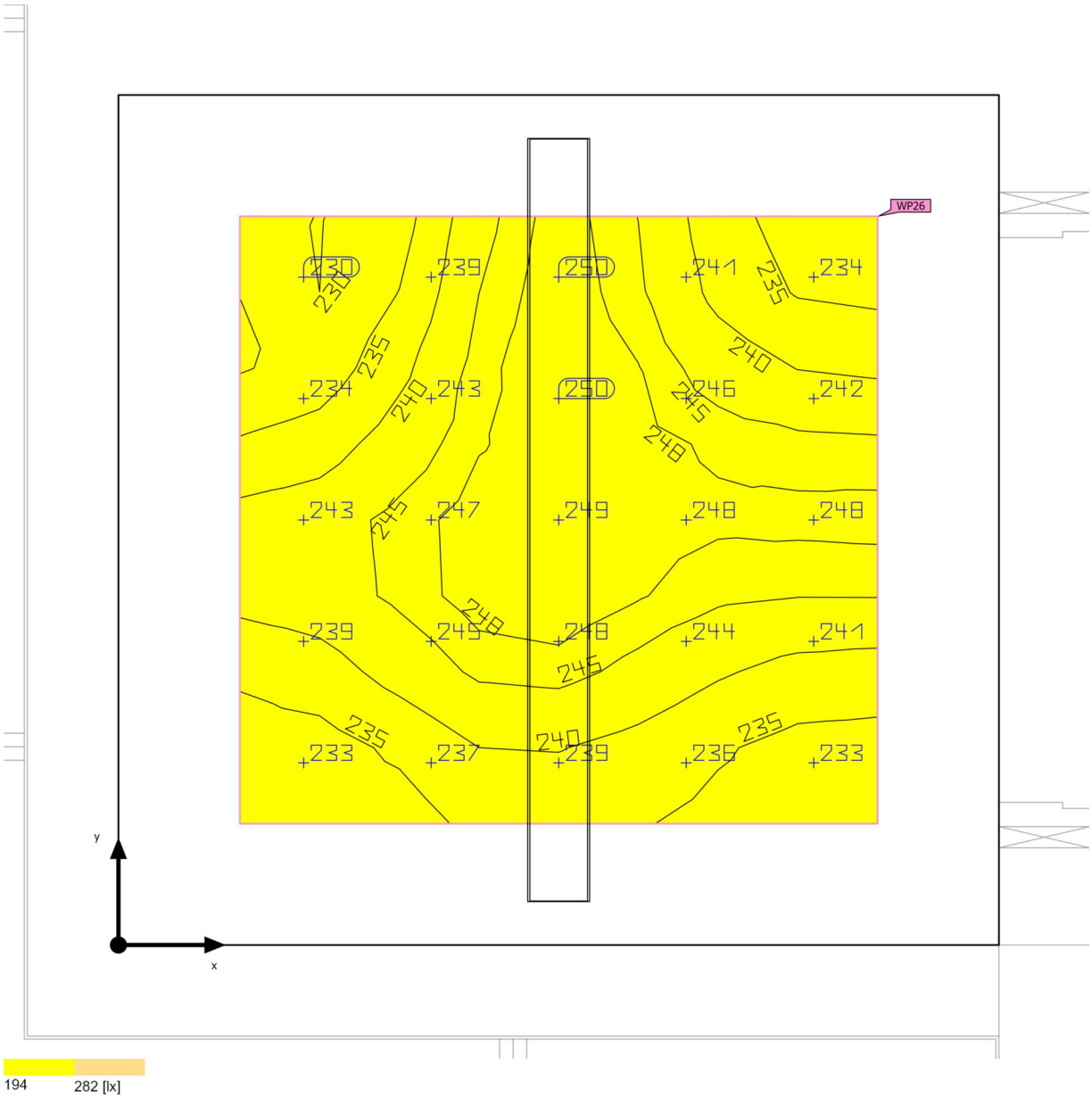
Utilisation profile: General areas inside buildings - Control rooms (11.1 Plant rooms, switchgear rooms)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	TRILUX		OleveonF 15 B 6000-840 ETDD PC	44.0 W	6000 lm	136.4 lm/W
				44.0 W	6000 lm (100 %)	–

Building 1 · Storey 1 · SHF07 (Light scene 1)

Summary



Ground area	2.03 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.200 m

Building 1 · Storey 1 · SHF07 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	242 lx	≥ 200 lx	✓	WP26
	U_o (g_1)	0.95	≥ 0.40	✓	WP26
	Lighting power density	26.67 W/m²	–		
		11.04 W/m²/100 lx	–		
Energy estimation(2)	Consumption	4.62 kWh/a	max. 100 kWh/a	✓	
Space	Lighting power density	13.79 W/m²	–		
		5.71 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

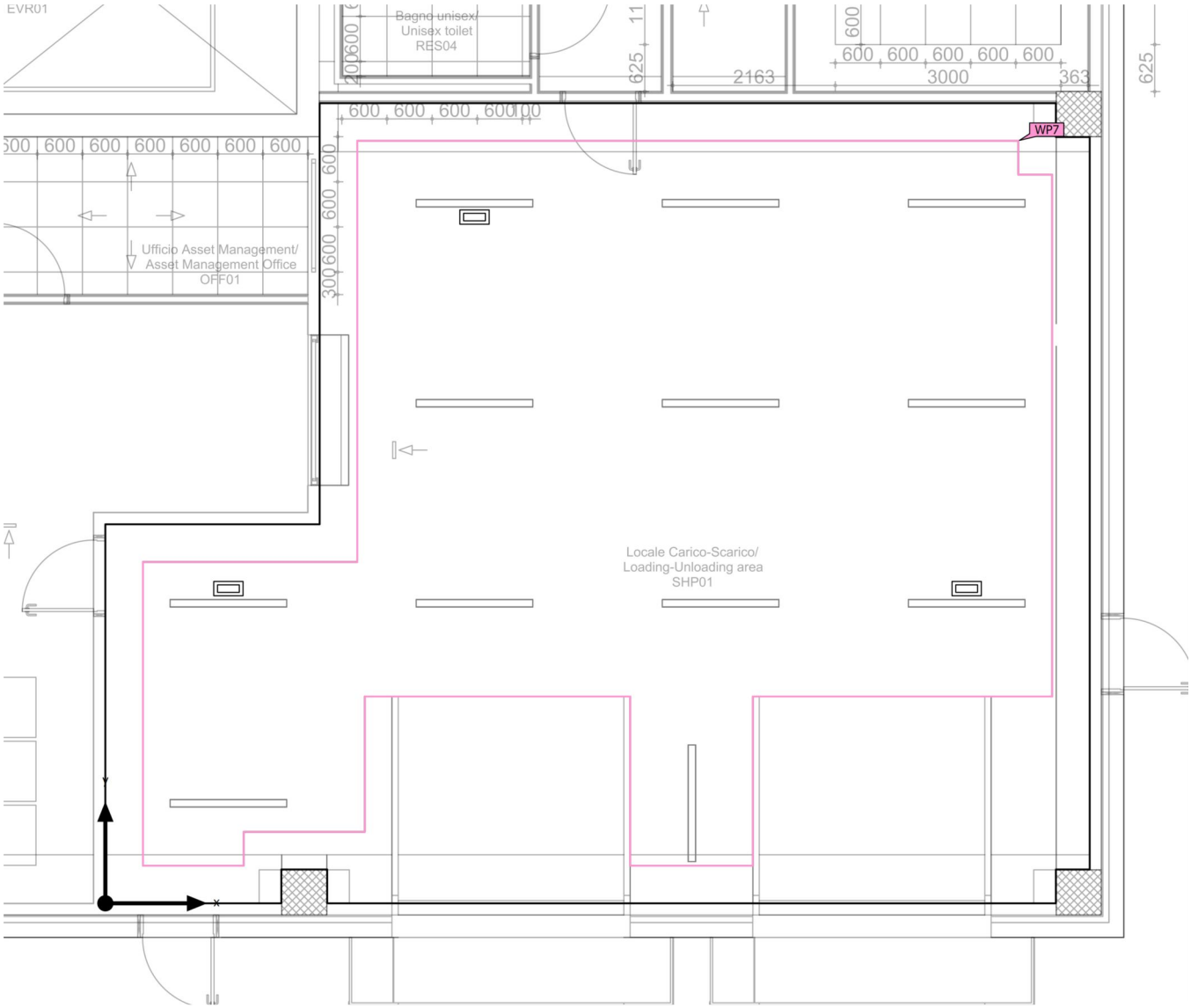
Utilisation profile: General areas inside buildings - Control rooms (11.1 Plant rooms, switchgear rooms)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		OleveonF 12 B 4000-840 ET PC	28.0 W	3900 lm	139.3 lm/W

Building 1 · Storey 1 · SHP01 (Emergency light scene)

Summary



Ground area	122.64 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · SHP01 (Emergency light scene)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Space	Lighting power density	0.12 W/m²	–		

Anti panic surface

Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (SHP01) Perpendicular illuminance (adaptive) Height: 0.000 m	0.55 lx (≥ 0.50 lx) ✓	14.9 lx	0.037 (≥ 0.025) ✓	AP3

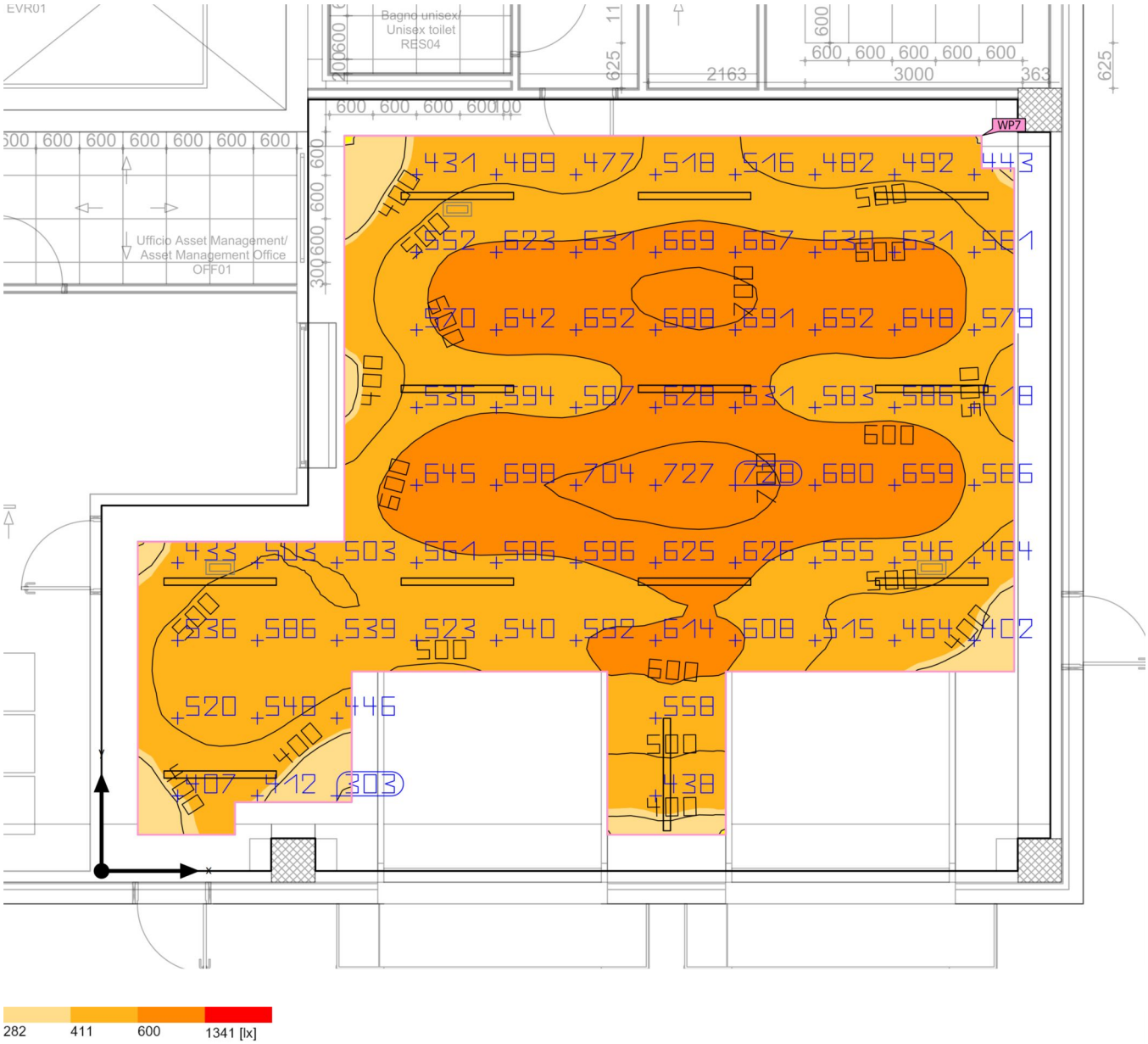
Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Luminaire list

pcs.	Manufacturer	Article No.	Article name		P	Φ	Luminous efficacy
3	LINERGY S.r.l.	CE2002	CRISTAL EVO SL IP65 SPY CENTER		5.1 W	560 lm (100 %)	–

Building 1 · Storey 1 · SHP01 (Light scene 1)

Summary



Ground area	122.64 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · SHP01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	563 lx	≥ 500 lx	✓	WP7
	U_o (g_1)	0.52	≥ 0.40	✓	WP7
	Lighting power density	8.26 W/m²	–		
		1.47 W/m²/100 lx	–		
Energy estimation(2)	Consumption	3595 kWh/a	max. 4300 kWh/a	✓	
Space	Lighting power density	5.58 W/m²	–		
		0.99 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

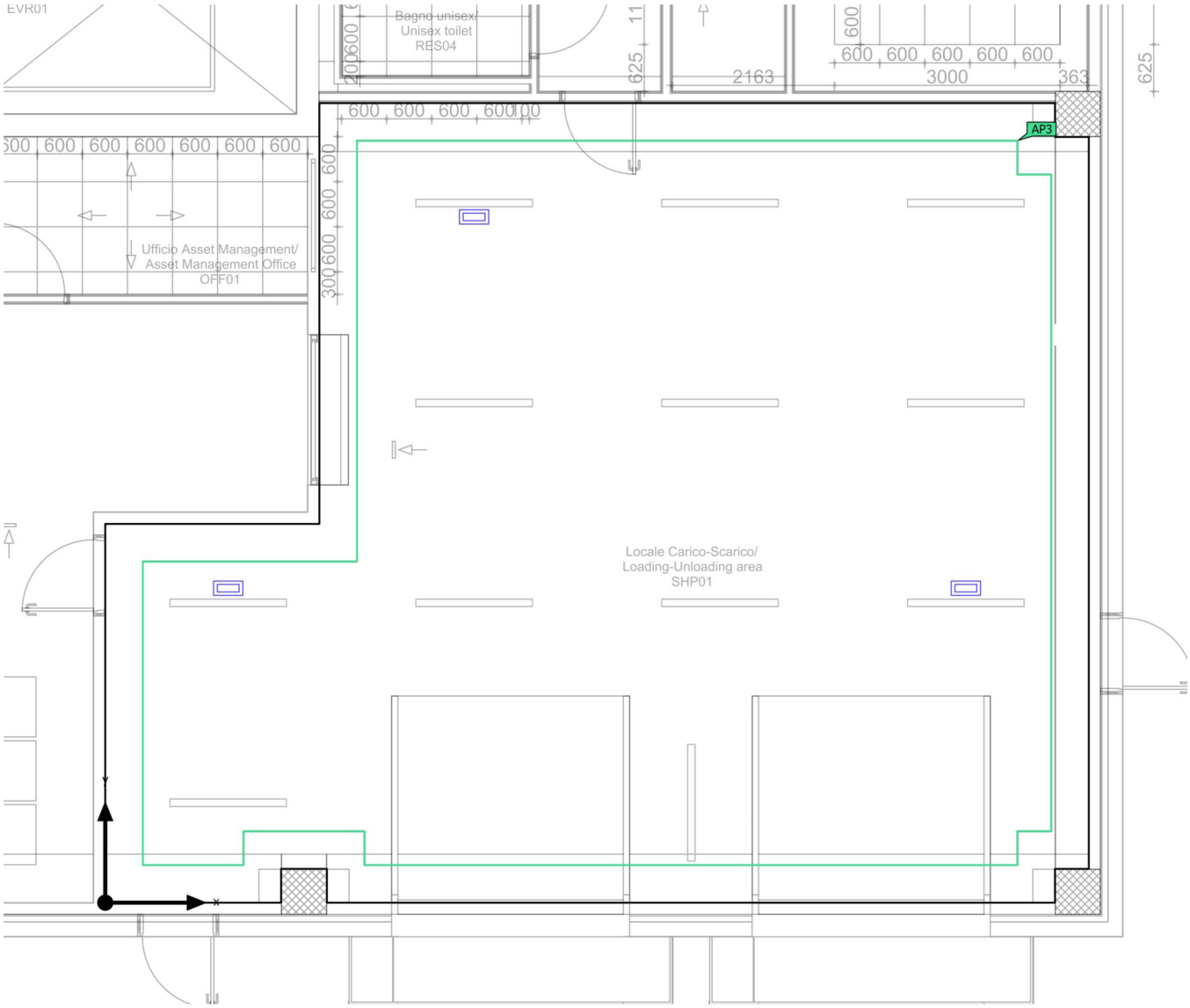
Utilisation profile: Logistics and warehouse (13.1 Unloading / loading area)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
12	TRILUX		OleveonF 15 B 8000-840 ETDD PC	57.0 W	7700 lm	135.1 lm/W

Building 1 · Storey 1 · SHP01 (Emergency light scene)

Calculation objects



Building 1 · Storey 1 · SHP01 (Emergency light scene)

Calculation objects

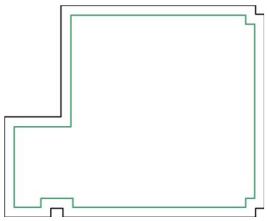
Anti panic surfaces

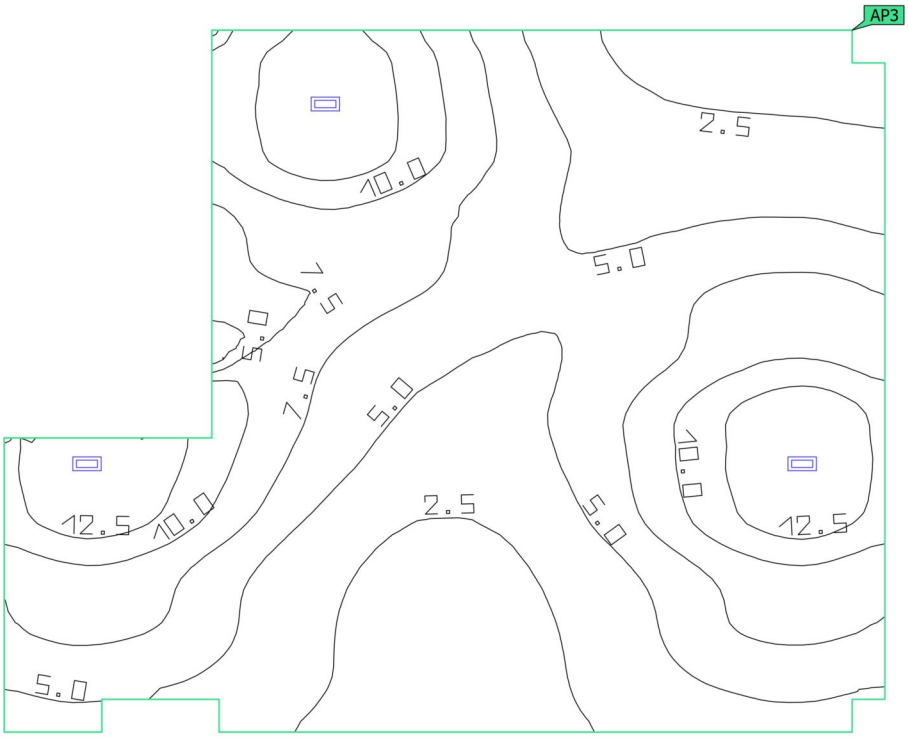
Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (SHP01) Perpendicular illuminance (adaptive) Height: 0.000 m	0.55 lx (≥ 0.50 lx) ✓	14.9 lx	0.037 (≥ 0.025) ✓	AP3

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 · SHP01 (Emergency light scene)

Anti panic surface (SHP01)



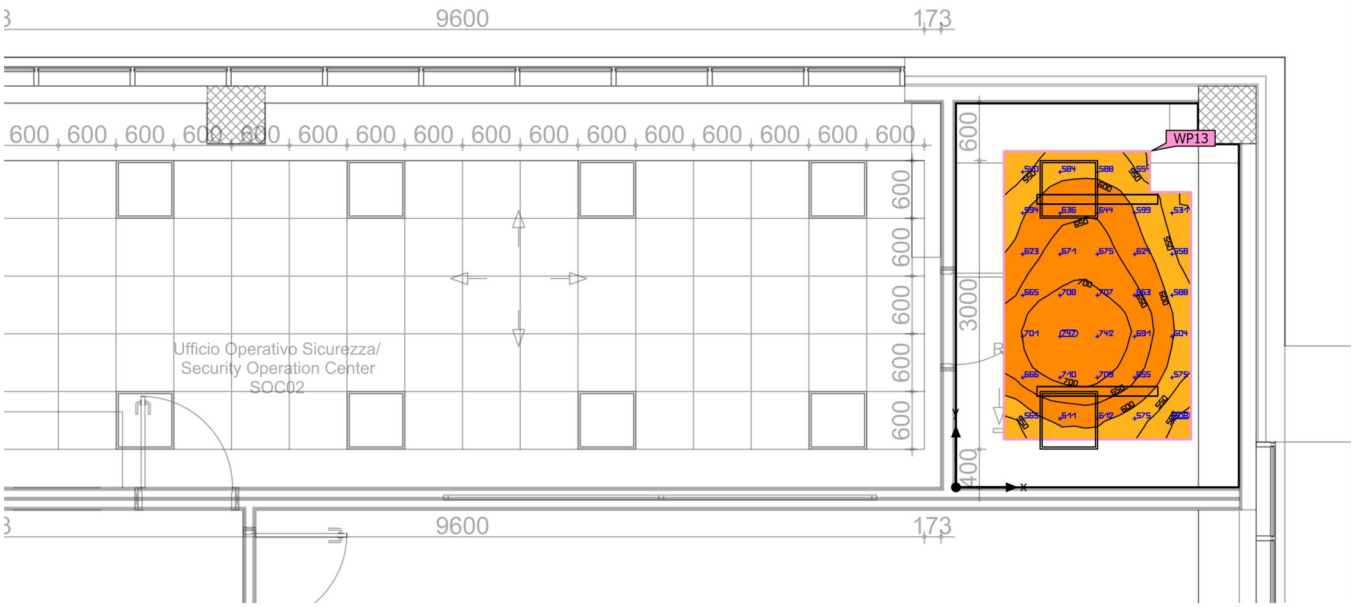


Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (SHP01) Perpendicular illuminance (adaptive) Height: 0.000 m	0.55 lx (≥ 0.50 lx) ✓	14.9 lx	0.037 (≥ 0.025) ✓	AP3

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 · SOC01 (Light scene 1)

Summary



Ground area	11.55 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m – 3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · SOC01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	630 lx	≥ 250 lx	✓	WP13
	U_o (g_1)	0.75	≥ 0.40	✓	WP13
	Lighting power density	18.86 W/m²	–		
		2.99 W/m²/100 lx	–		
Energy estimation(2)	Consumption	262 kWh/a	max. 450 kWh/a	✓	
Space	Lighting power density	9.18 W/m²	–		
		1.46 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

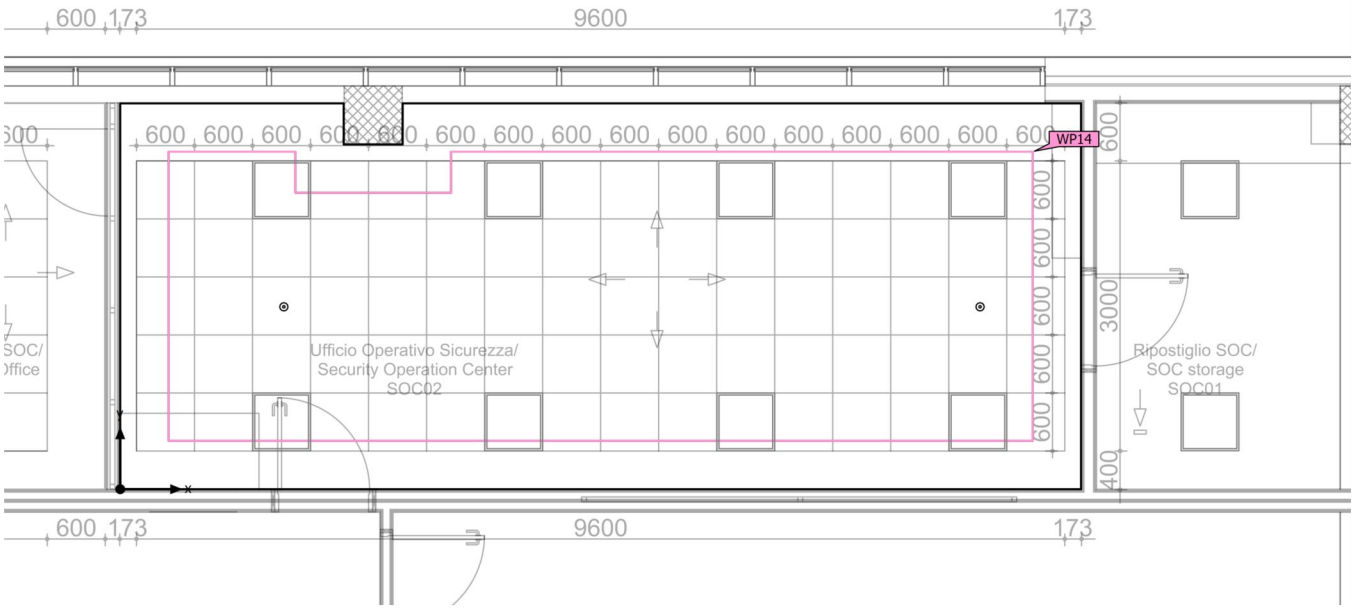
Utilisation profile: General areas inside buildings - Store rooms, cold stores (12.3 Pantry)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	TRILUX		OleveonF 12 B 4000-840 ET PC	28.0 W	3900 lm	139.3 lm/W
2	TRILUX		ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 2)	25.0 W	4300 lm	172.0 lm/W

Building 1 · Storey 1 · SOC02 (Emergency light scene)

Summary



Ground area	39.39 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · SOC02 (Emergency light scene)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Space	Lighting power density	0.29 W/m²	–		

Anti panic surface

Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (SOC02) Perpendicular illuminance (adaptive) Height: 0.000 m	4.04 lx (≥ 0.50 lx) ✓	6.29 lx	0.64 (≥ 0.025) ✓	AP1

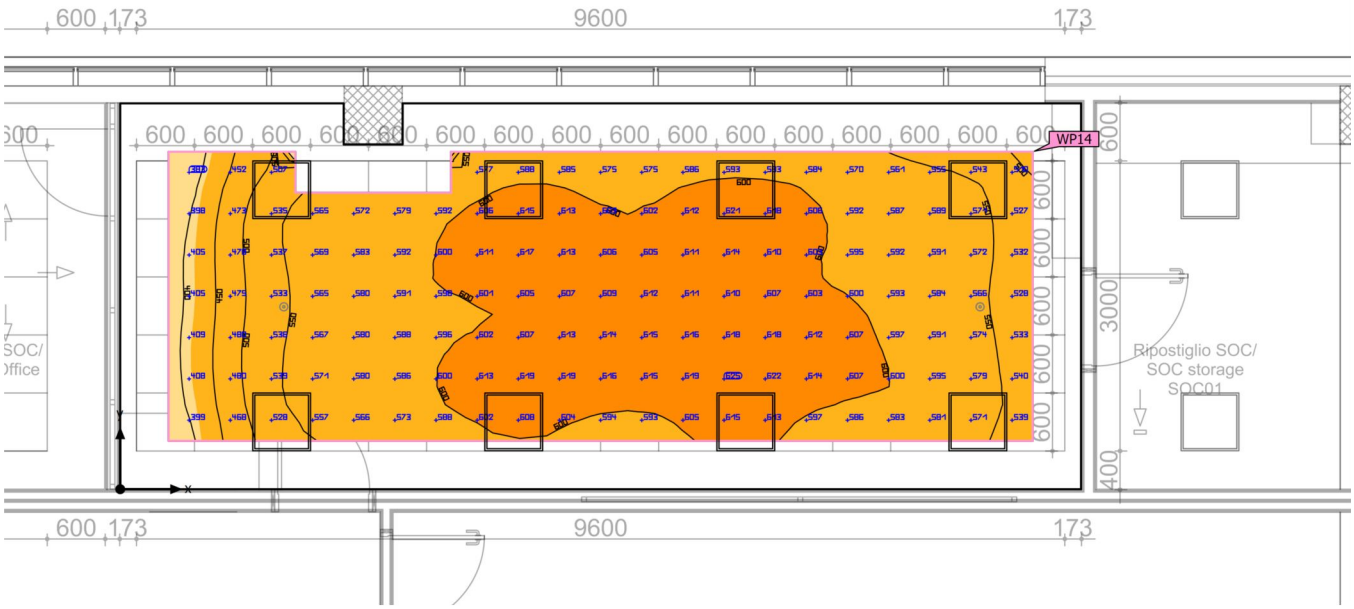
Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

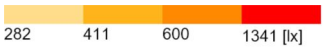
Luminaire list

pcs.	Manufacturer	Article No.	Article name		P	Φ	Luminous efficacy
2	LINERGY S.r.l.	VE1906_S	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 SIMMETRICO		5.7 W	450 lm (100 %)	–

Building 1 · Storey 1 · SOC02 (Light scene 1)

Summary





Ground area	39.39 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · SOC02 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	574 lx	≥ 500 lx	✓	WP14
	U_o (g_1)	0.64	≥ 0.40	✓	WP14
	Lighting power density	7.68 W/m²	–		
		1.34 W/m²/100 lx	–		
Energy estimation(2)	Consumption	495 kWh/a	max. 1400 kWh/a	✓	
Space	Lighting power density	5.08 W/m²	–		
		0.89 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

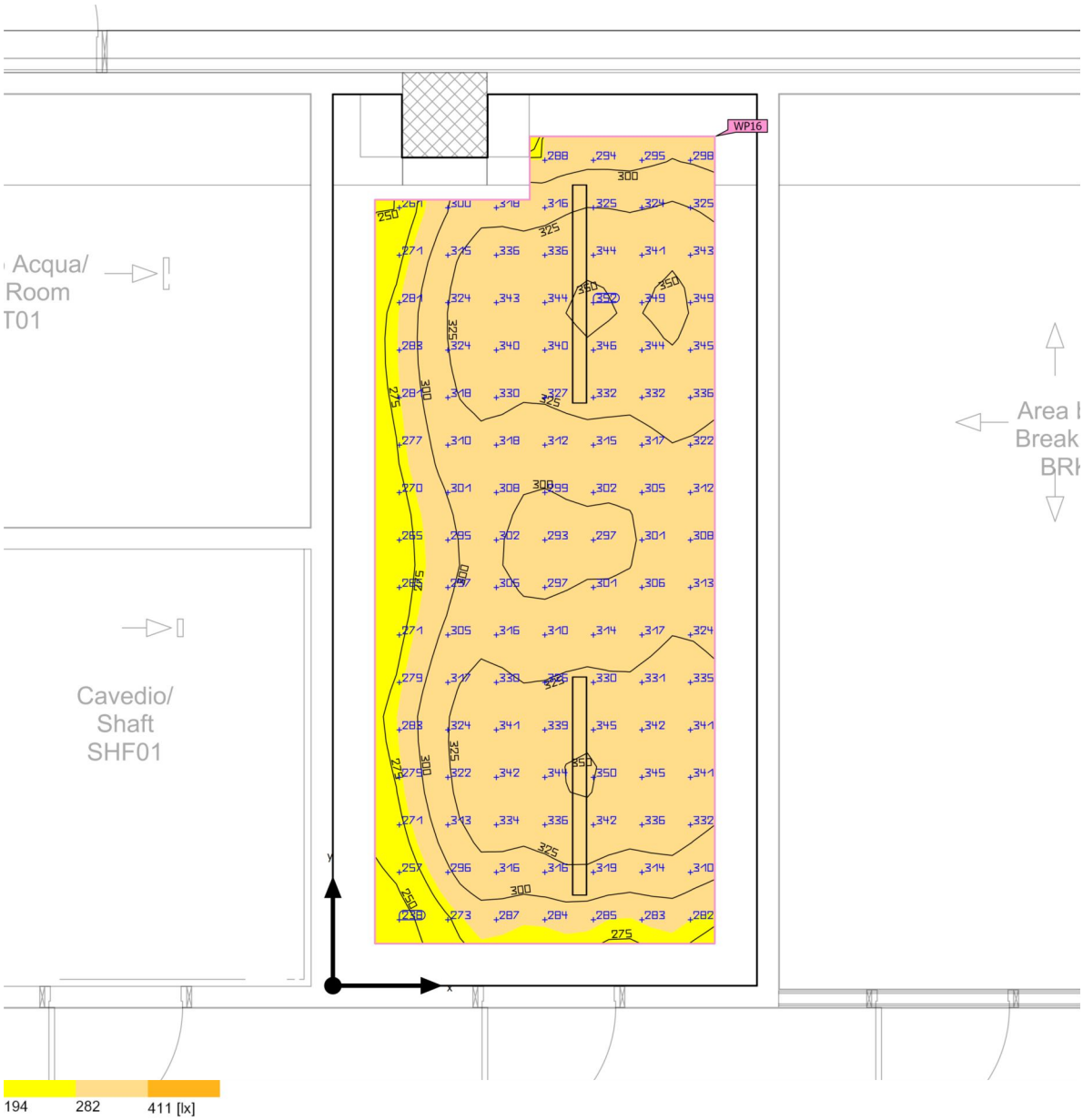
Utilisation profile: Offices (34.2 Writing, typewriting, reading, data processing)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	TRILUX		ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 2)	25.0 W	4300 lm	172.0 lm/W

Building 1 · Storey 1 · SPK01 (Light scene 1)

Summary



Ground area	18.84 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · SPK01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	314 lx	≥ 300 lx	✓	WP16
	U_o (g_1)	0.73	≥ 0.40	✓	WP16
	Lighting power density	6.58 W/m²	–		
		2.10 W/m²/100 lx	–		
Energy estimation(2)	Consumption	198 kWh/a	max. 700 kWh/a	✓	
Space	Lighting power density	4.67 W/m²	–		
		1.49 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

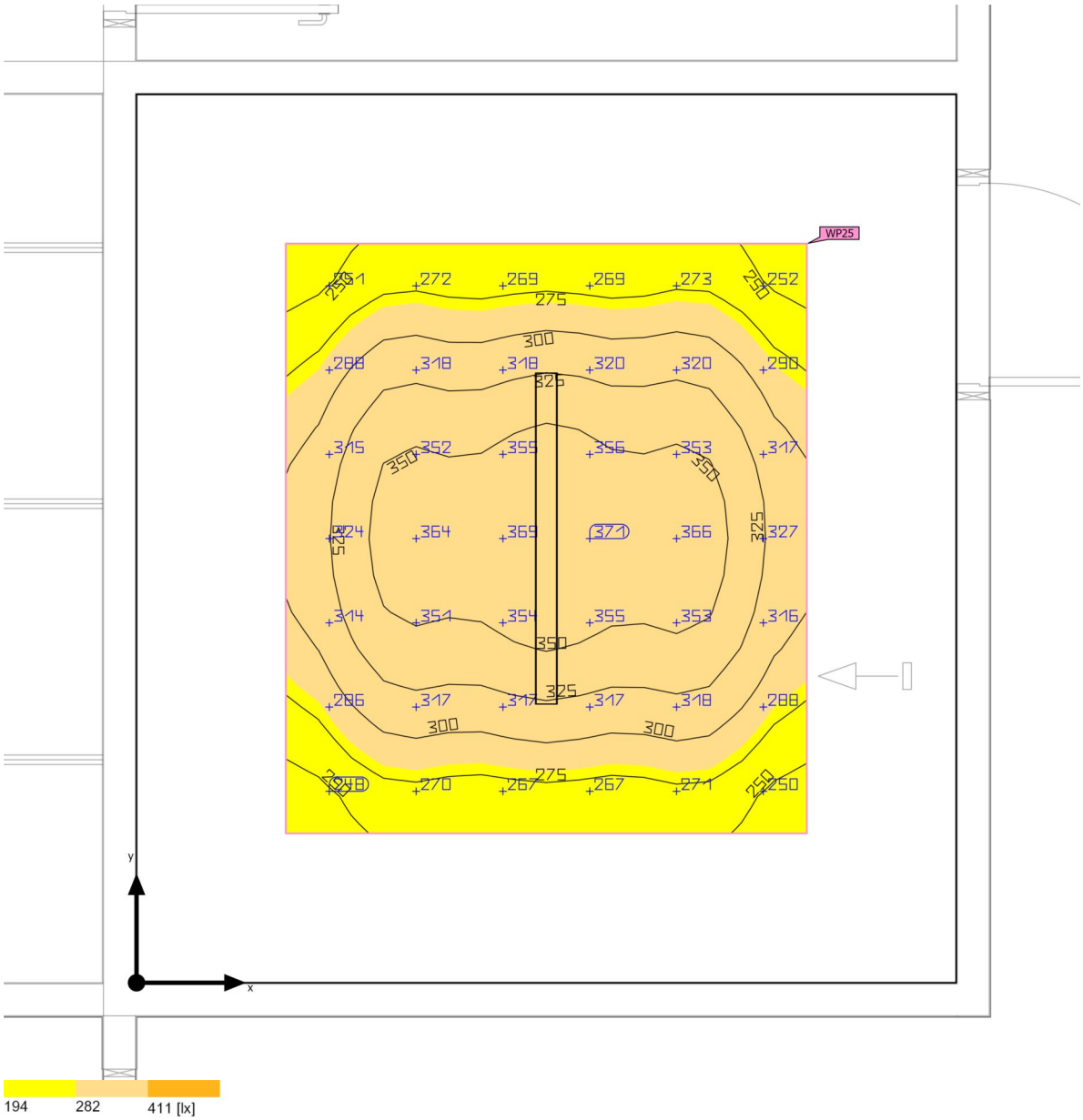
Utilisation profile: Industrial activities and crafts - Power stations (28.3 Machine halls)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	TRILUX		OleveonF 15 B 6000-840 ETDD PC	44.0 W	6000 lm	136.4 lm/W
				44.0 W	6000 lm (100 %)	–

Building 1 · Storey 1 · SPK02 (Light scene 1)

Summary



Ground area	15.99 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.700 m

Building 1 · Storey 1 · SPK02 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	311 lx	≥ 300 lx	✓	WP25
	U_o (g_1)	0.74	≥ 0.40	✓	WP25
	Lighting power density	8.45 W/m²	–		
		2.72 W/m²/100 lx	–		
Energy estimation(2)	Consumption	128 kWh/a	max. 600 kWh/a	✓	
Space	Lighting power density	3.57 W/m²	–		
		1.15 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

Utilisation profile: Industrial activities and crafts - Power stations (28.3 Machine halls)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		OleveonF 15 B 8000-840 ETDD PC	57.0 W	7700 lm	135.1 lm/W

Building 1 · Storey 1 · STO02 (Light scene 1)

Summary

Ground area	61.59 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · STO02 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	270 lx	≥ 250 lx	✓	WP9
	U_o (g_1)	0.53	≥ 0.40	✓	WP9
	Lighting power density	3.87 W/m²	–		
		1.43 W/m²/100 lx	–		
Energy estimation(2)	Consumption	436 kWh/a	max. 2200 kWh/a	✓	
Space	Lighting power density	2.86 W/m²	–		
		1.06 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

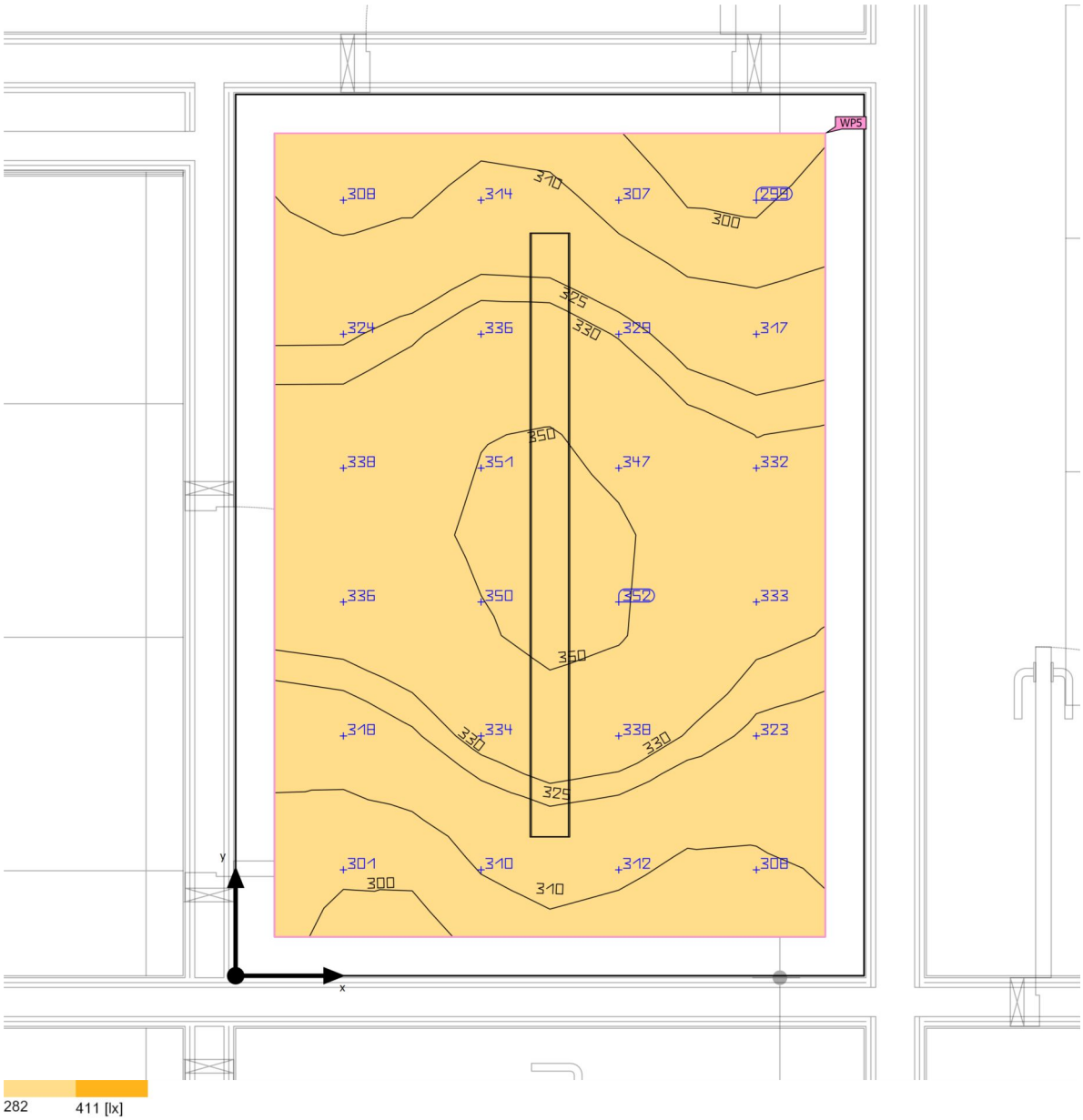
Utilisation profile: General areas inside buildings - Store rooms, cold stores (12.2 Dispatch packing handling areas)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	TRILUX		OleveonF 15 B 6000-840 ETDD PC	44.0 W	6000 lm	136.4 lm/W
				44.0 W	6000 lm (100 %)	–

Building 1 · Storey 1 · VST01 (Light scene 1)

Summary



Ground area	3.66 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.100 m

Building 1 · Storey 1 · VST01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	325 lx	≥ 250 lx	✓	WP5
	U_o (g_1)	0.91	≥ 0.40	✓	WP5
	Lighting power density	15.07 W/m²	–		
		4.63 W/m²/100 lx	–		
Energy estimation(2)	Consumption	48.4 kWh/a	max. 150 kWh/a	✓	
Space	Lighting power density	12.03 W/m²	–		
		3.70 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

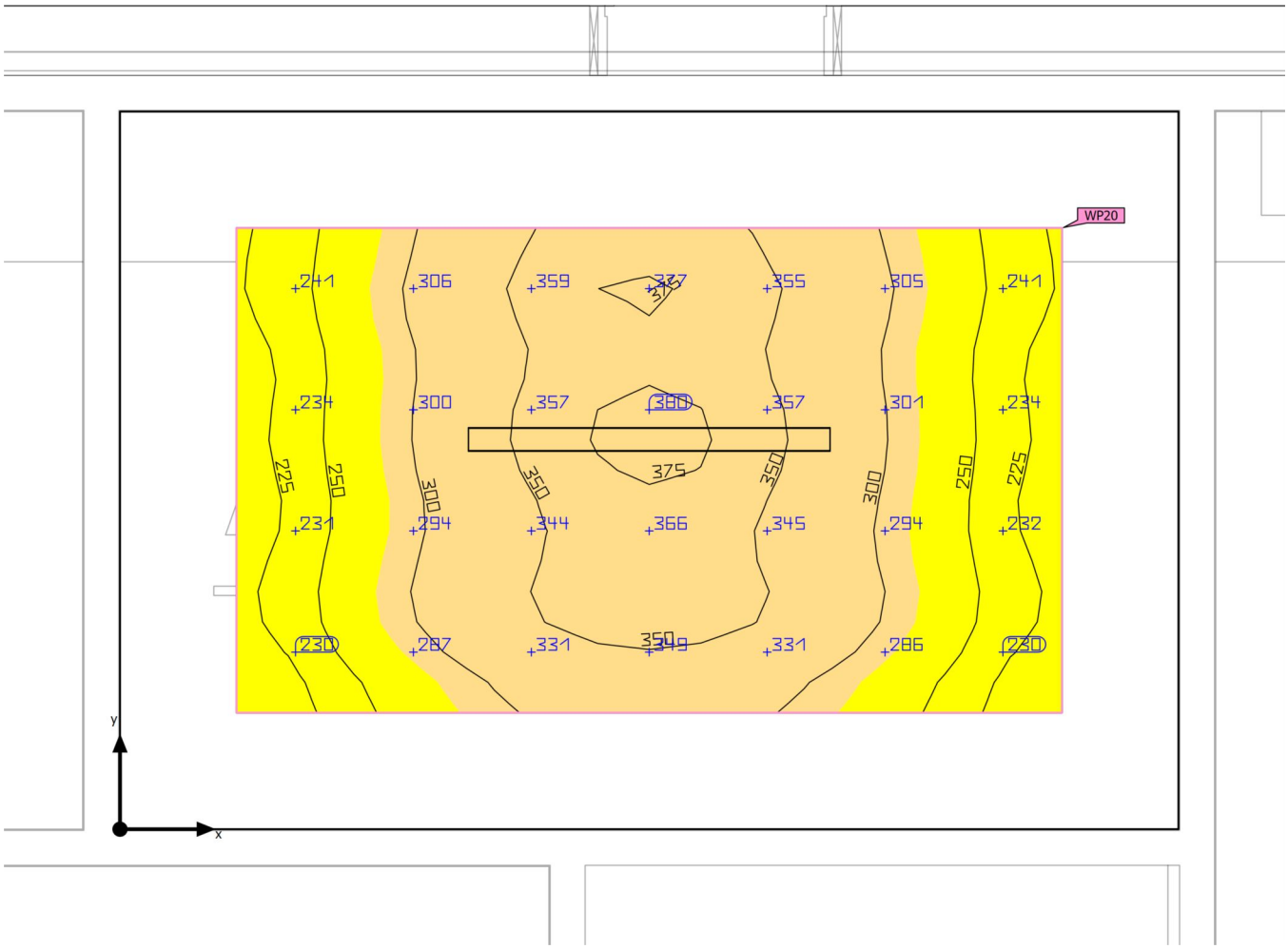
Utilisation profile: Traffic zones inside buildings (9.7 Passes: manned)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		OleveonF 15 B 6000-840 ETDD PC	44.0 W	6000 lm	136.4 lm/W
				44.0 W	6000 lm (100 %)	–

Building 1 · Storey 1 · WAT01 (Light scene 1)

Summary



194 282 411 [lx]

Ground area	13.98 m²	Clearance height	6.340 m
Reflection factors	Ceiling: 50.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	1.000 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · WAT01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	303 lx	≥ 300 lx	✓	WP20
	U_o (g_1)	0.69	≥ 0.40	✓	WP20
	Lighting power density	7.74 W/m²	–		
		2.56 W/m²/100 lx	–		
Energy estimation(2)	Consumption	128 kWh/a	max. 500 kWh/a	✓	
Space	Lighting power density	4.08 W/m²	–		
		1.35 W/m²/100 lx	–		

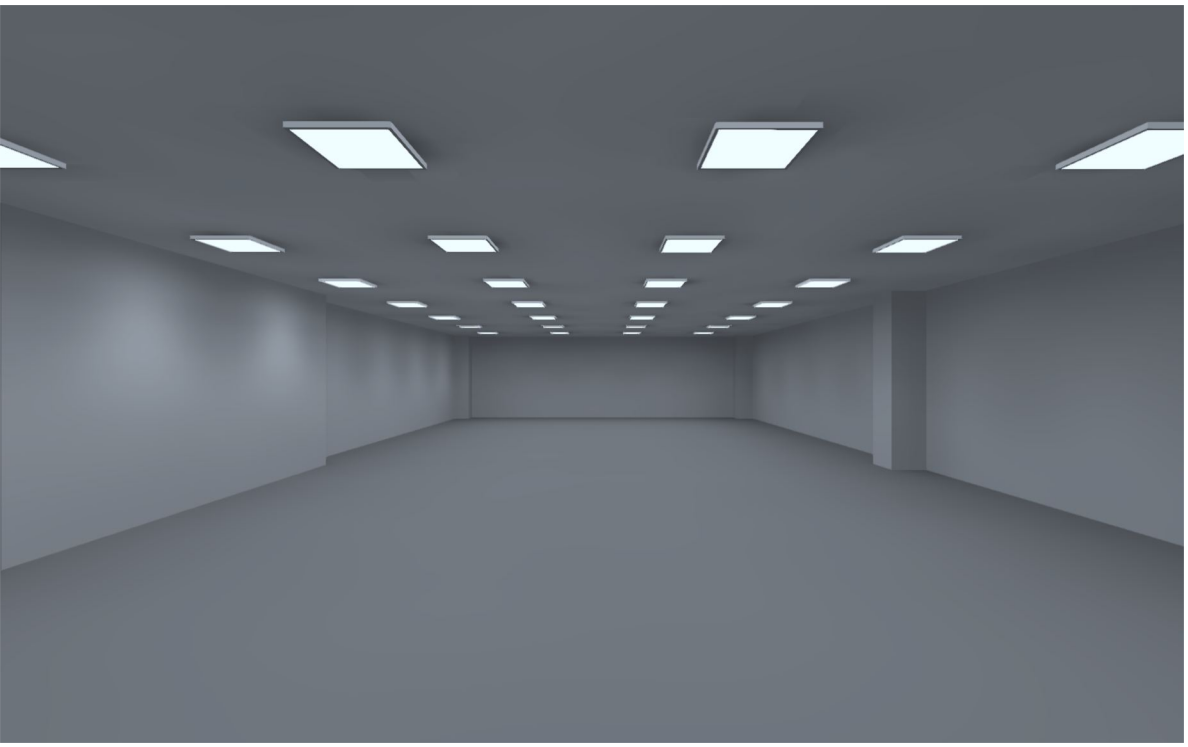
(2) Calculated using DIN:18599-4.

Utilisation profile: Industrial activities and crafts - Power stations (28.3 Machine halls)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		OleveonF 15 B 8000-840 ETDD PC	57.0 W	7700 lm	135.1 lm/W

Date 04/11/2025



STACK_DC_MIL07 - First Floor + Stairs

Created with DIALux

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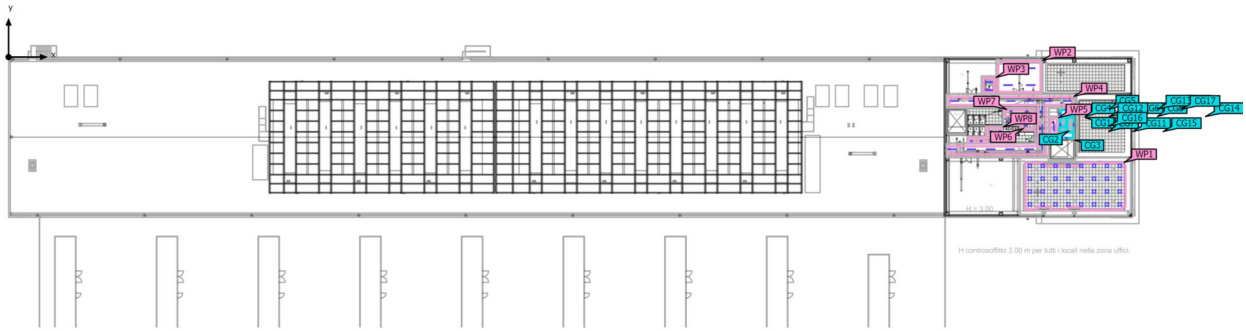
Luminaire list

Φ_{total}	P_{total}	Luminous efficacy	$\Phi_{Emergency\ lighting}$	$P_{Emergency\ lighting}$
337285 lm	2337.5 W	144.3 lm/W	33320 lm	280.1 W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
7	LINERGY S.r.l.	CE2002	CRISTAL EVO SL IP65 SPY CENTER	5.1 W	560 lm (100 %)	–
12	LINERGY S.r.l.	VE1906_S	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 SIMMETRICO	5.7 W	450 lm (100 %)	–
11	TRILUX		Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 0)	11.5 W	1400 lm	121.7 lm/W
1	TRILUX		Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 2)	20.0 W	2600 lm	130.0 lm/W
3	TRILUX		OleveonF 12 B 4000-840 ET PC	28.0 W	3900 lm	139.3 lm/W
4	TRILUX		OleveonF 15 B 6000-840 ETDD PC	44.0 W	6000 lm	136.4 lm/W
				44.0 W	6000 lm (100 %)	–
18	TRILUX		Olisq RWD2 DW 40-840 ET IP54	29.0 W	4000 lm	137.9 lm/W
15	TRILUX		Tugra 15 PVW 60-840 ETDD PC 23	47.0 W	5999 lm	127.6 lm/W
32	TRILUX		ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 1)	22.0 W	3800 lm	172.7 lm/W

Building 1 · Storey 1 (Light scene 1)

Calculation objects



Building 1 · Storey 1 (Light scene 1)

Calculation objects

Working planes

Properties	Ē (Target)	E_{min}	E_{max}	U_o (g_1) (Target)	g_2	Index
Working plane (CHG12) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.200 m	314 lx (≥ 200 lx) ✓	198 lx	383 lx	0.63 (≥ 0.40) ✓	0.52	WP8
Working plane (COR11) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	270 lx (≥ 250 lx) ✓	195 lx	409 lx	0.72 (≥ 0.40) ✓	0.48	WP4
Working plane (JAN11) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	173 lx (≥ 150 lx) ✓	128 lx	209 lx	0.74 (≥ 0.40) ✓	0.61	WP5
Working plane (OFF11) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 1.000 m	517 lx (≥ 500 lx) ✓	282 lx	590 lx	0.55 (≥ 0.40) ✓	0.48	WP1
Working plane (RES11) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.200 m	285 lx (≥ 200 lx) ✓	118 lx	357 lx	0.41 (≥ 0.40) ✓	0.33	WP6
Working plane (RES12) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	243 lx (≥ 200 lx) ✓	101 lx	490 lx	0.42 (≥ 0.40) ✓	0.21	WP7
Working plane (SHF01) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	327 lx (≥ 200 lx) ✓	256 lx	379 lx	0.78 (≥ 0.40) ✓	0.68	WP3
Working plane (STO11) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.300 m	284 lx (≥ 250 lx) ✓	170 lx	366 lx	0.60 (≥ 0.40) ✓	0.46	WP2

Calculation surfaces

Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 1 Perpendicular illuminance Height: 1.837 m	318 lx	208 lx	508 lx	0.65	0.41	CG2

Building 1 · Storey 1 (Light scene 1)

Calculation objects

Ramp 11 Perpendicular illuminance Height: 10.419 m	324 lx	224 lx	425 lx	0.69	0.53	CG12
Ramp 13 Perpendicular illuminance Height: 12.120 m	390 lx	282 lx	584 lx	0.72	0.48	CG14
Ramp 15 Perpendicular illuminance Height: 13.299 m	334 lx	260 lx	406 lx	0.78	0.64	CG16
Ramp 3 Perpendicular illuminance Height: 3.619 m	344 lx	218 lx	514 lx	0.63	0.42	CG4
Ramp 5 Perpendicular illuminance Height: 5.320 m	329 lx	206 lx	519 lx	0.63	0.40	CG6
Ramp 7 Perpendicular illuminance Height: 7.019 m	345 lx	219 lx	515 lx	0.63	0.43	CG8
Ramp 9 Perpendicular illuminance Height: 8.720 m	326 lx	216 lx	512 lx	0.66	0.42	CG10
Step 0 Perpendicular illuminance Height: 0.800 m	282 lx	136 lx	422 lx	0.48	0.32	CG1
Step 10 Perpendicular illuminance Height: 9.470 m	256 lx	135 lx	356 lx	0.53	0.38	CG11
Step 12 Perpendicular illuminance Height: 11.170 m	323 lx	202 lx	434 lx	0.63	0.47	CG13
Step 14 Perpendicular illuminance Height: 12.870 m	285 lx	164 lx	386 lx	0.58	0.42	CG15
Step 16 Perpendicular illuminance Height: 13.629 m	332 lx	200 lx	411 lx	0.60	0.49	CG17

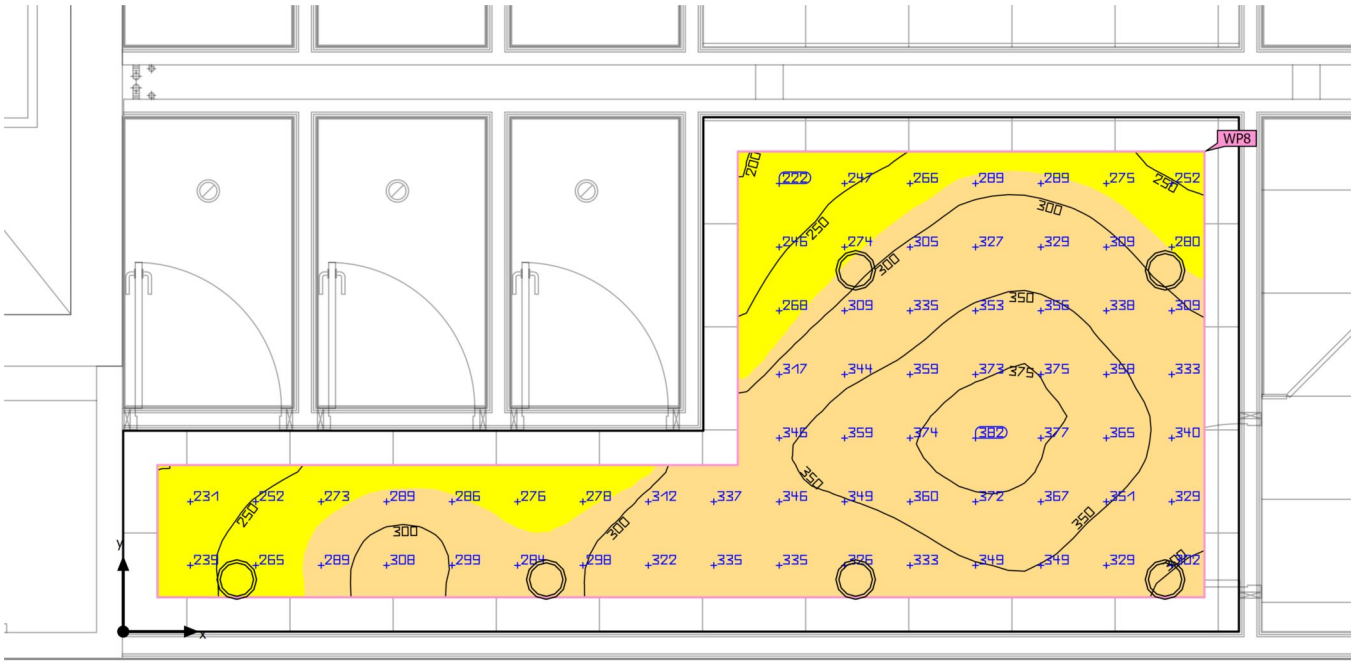
Building 1 · Storey 1 (Light scene 1)

Calculation objects

Step 2 Perpendicular illuminance Height: 2.670 m	255 lx	134 lx	358 lx	0.53	0.37	CG3
Step 4 Perpendicular illuminance Height: 4.370 m	250 lx	156 lx	328 lx	0.62	0.48	CG5
Step 6 Perpendicular illuminance Height: 6.070 m	257 lx	138 lx	359 lx	0.54	0.38	CG7
Step 8 Perpendicular illuminance Height: 7.770 m	250 lx	153 lx	326 lx	0.61	0.47	CG9

Building 1 · Storey 1 · CHG12 (Light scene 1)

Summary



Ground area	13.27 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.200 m

Building 1 · Storey 1 · CHG12 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	314 lx	≥ 200 lx	✓	WP8
	U_o (g_1)	0.63	≥ 0.40	✓	WP8
	Lighting power density	7.16 W/m²	–		
		2.28 W/m²/100 lx	–		
Energy estimation(2)	Consumption	56.9 kWh/a	max. 500 kWh/a	✓	
Space	Lighting power density	5.20 W/m²	–		
		1.66 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

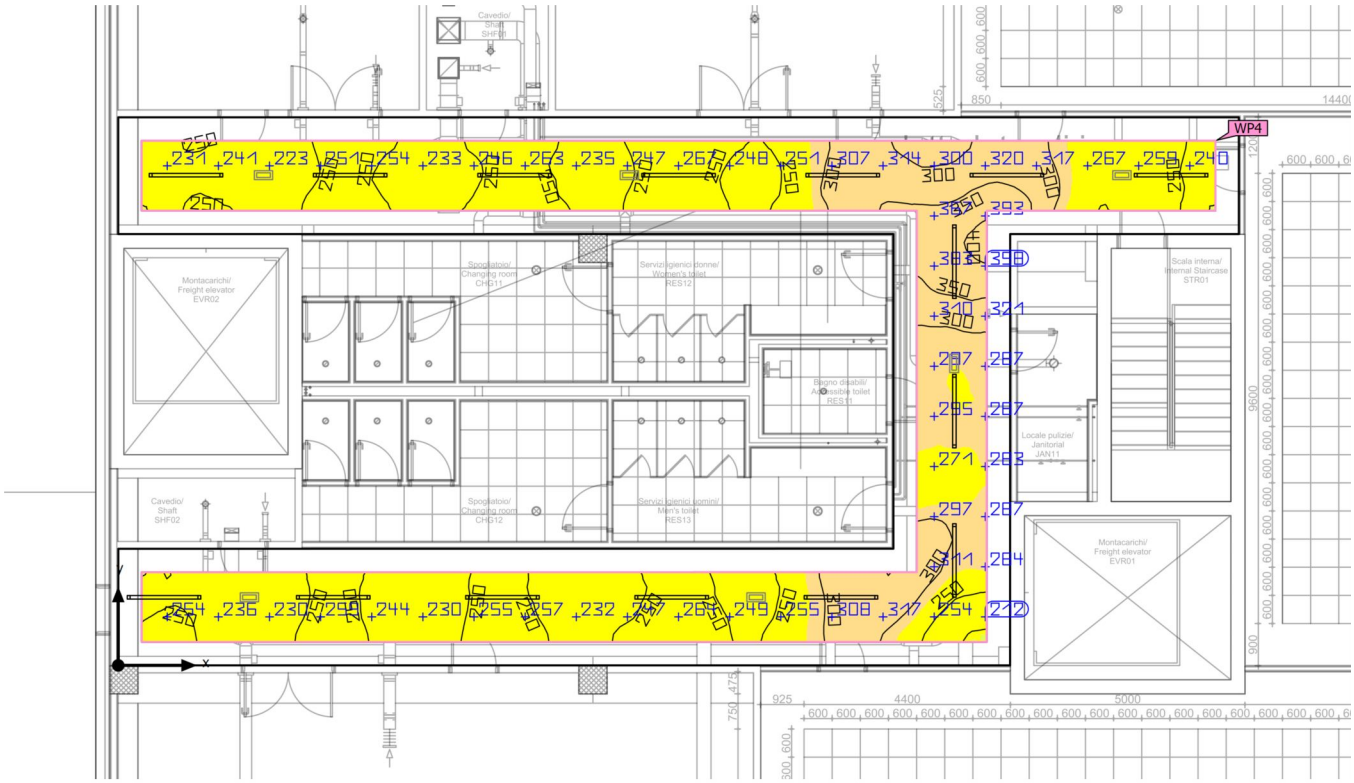
Utilisation profile: General areas inside buildings - Rest, sanitation and first aid rooms (10.4 Cloakrooms, washrooms, bathrooms, toilets)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	TRILUX		Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 0)	11.5 W	1400 lm	121.7 lm/W

Building 1 · Storey 1 · COR11 (Light scene 1)

Summary



194 282 411 [lx]

Ground area	123.47 m²	Clearance height	5.300 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.500 m

Building 1 · Storey 1 · COR11 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	270 lx	≥ 250 lx	✓	WP4
	U_o (g_1)	0.72	≥ 0.40	✓	WP4
	Lighting power density	9.74 W/m²	–		
		3.60 W/m²/100 lx	–		
Energy estimation(2)	Consumption	775 kWh/a	max. 4350 kWh/a	✓	
Space	Lighting power density	5.71 W/m²	–		
		2.11 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

Utilisation profile: Traffic zones inside buildings (9.7 Passes: manned)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
15	TRILUX		Tugra 15 PVW 60-840 ETDD PC 23	47.0 W	5999 lm	127.6 lm/W

Building 1 · Storey 1 · JAN11 (Light scene 1)

Summary

Ground area	6.27 m²	Clearance height	5.300 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · JAN11 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	173 lx	≥ 150 lx	✓	WP5
	U_o (g_1)	0.74	≥ 0.40	✓	WP5
	Lighting power density	8.68 W/m²	–		
		5.02 W/m²/100 lx	–		
Energy estimation(2)	Consumption	23.1 kWh/a	max. 250 kWh/a	✓	
Space	Lighting power density	4.47 W/m²	–		
		2.58 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

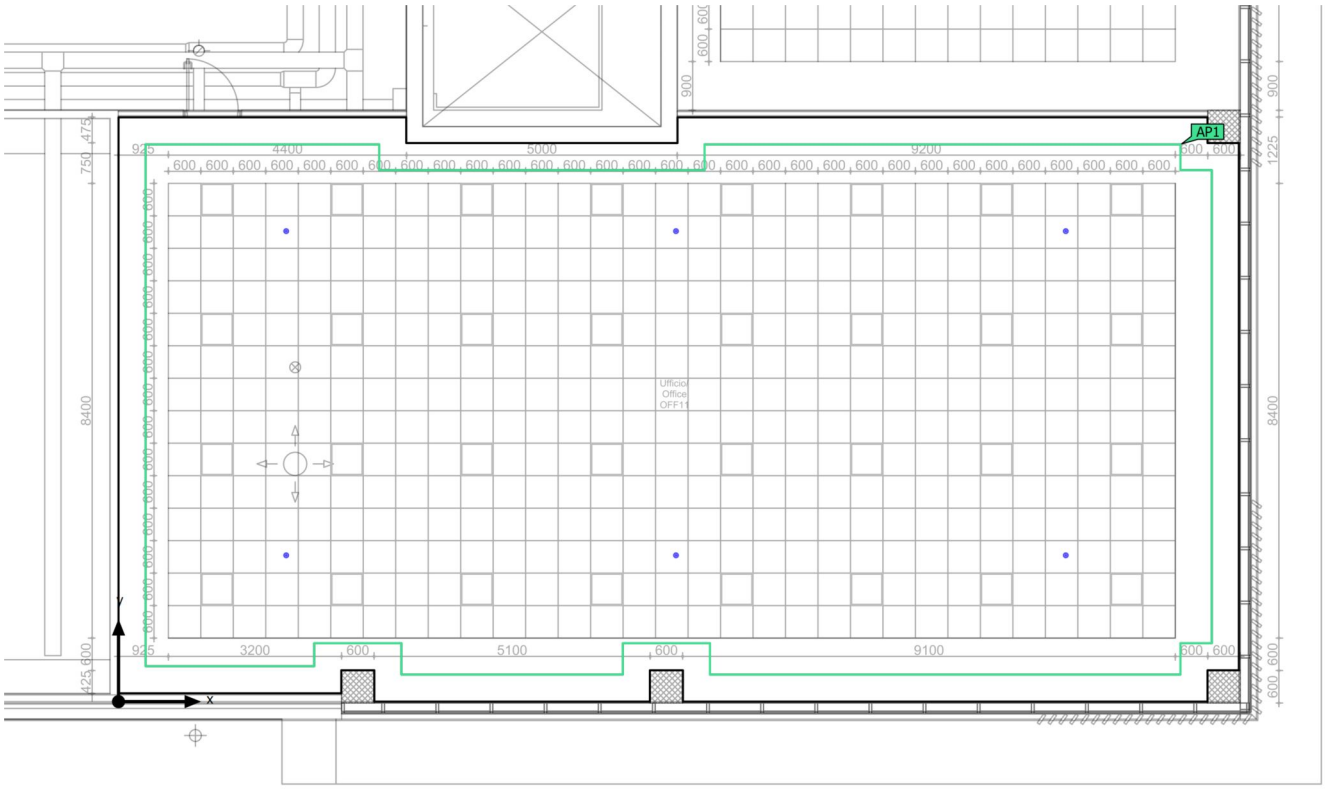
Utilisation profile: General areas inside buildings - Rest, sanitation and first aid rooms (10.4 Cloakrooms, washrooms, bathrooms, toilets)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		OleveonF 12 B 4000-840 ET PC	28.0 W	3900 lm	139.3 lm/W

Building 1 · Storey 1 · OFF11 (Emergency light scene)

Summary



Ground area	219.04 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	1.000 m

Building 1 · Storey 1 · OFF11 (Emergency light scene)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Space	Lighting power density	0.31 W/m²	–		

Anti panic surface

Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (OFF11) Perpendicular illuminance (adaptive) Height: 0.000 m	5.03 lx (≥ 0.50 lx) ✓	22.2 lx	0.23 (≥ 0.025) ✓	AP1

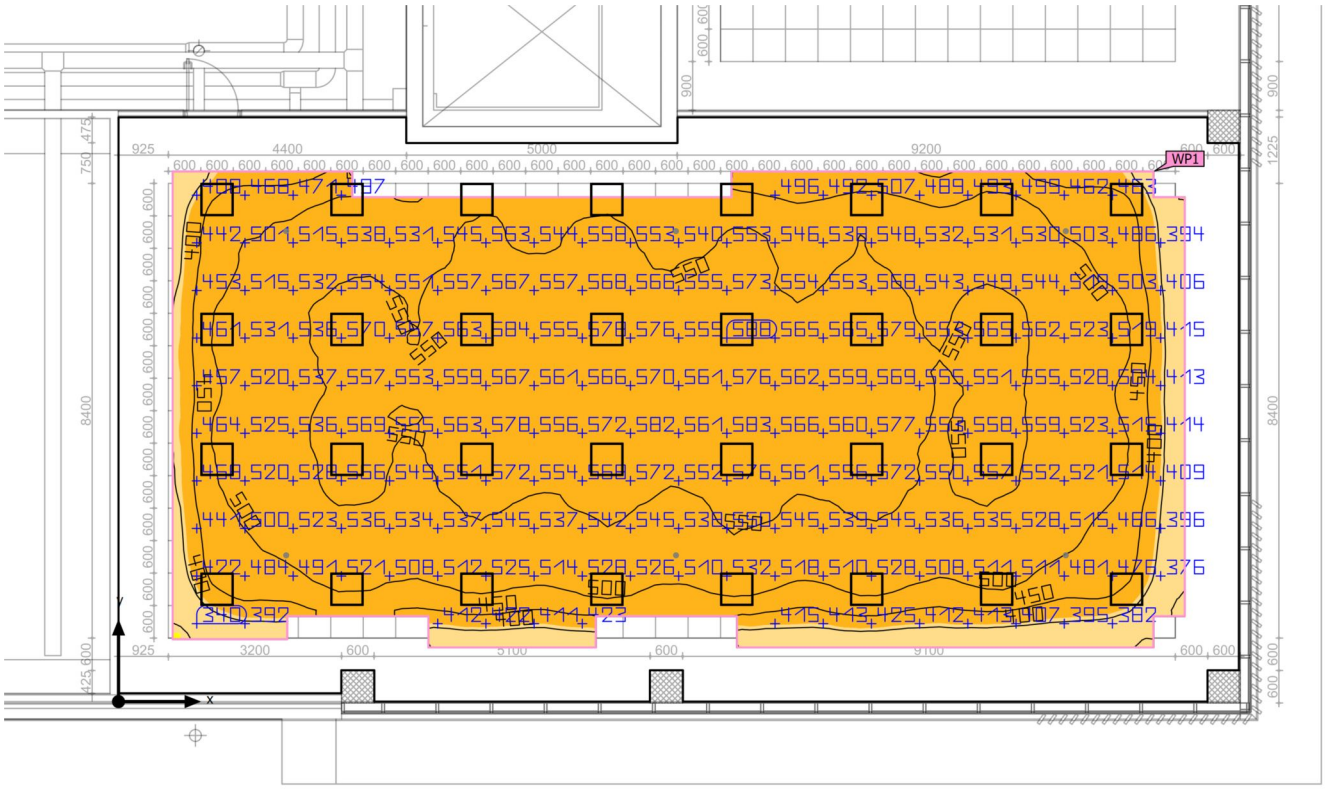
Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Luminaire list

pcs.	Manufacturer	Article No.	Article name		P	Φ	Luminous efficacy
12	LINERGY S.r.l.	VE1906_S	VIALED EVO GRIGIO SL CENTRAL BATTERY 59X59 SIMMETRICO		5.7 W	450 lm (100 %)	–

Building 1 · Storey 1 · OFF11 (Light scene 1)

Summary



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Ground area	219.04 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	1.000 m

Building 1 · Storey 1 · OFF11 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	517 lx	≥ 500 lx	✓	WP1
	U_o (g_1)	0.55	≥ 0.40	✓	WP1
	Lighting power density	4.48 W/m²	–		
		0.87 W/m²/100 lx	–		
Energy estimation(2)	Consumption	1742 kWh/a	max. 7700 kWh/a	✓	
Space	Lighting power density	3.21 W/m²	–		
		0.62 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

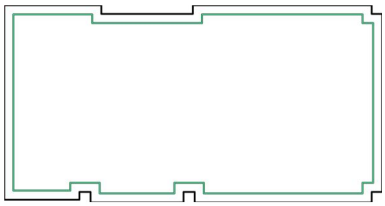
Utilisation profile: Offices (34.2 Writing, typewriting, reading, data processing)

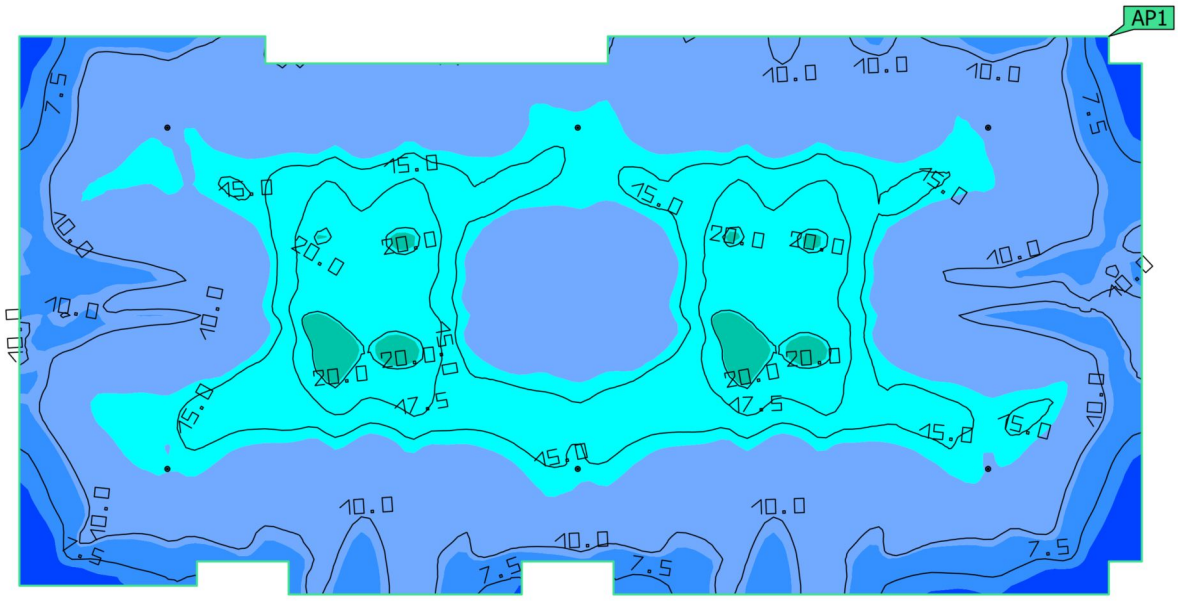
Luminaire list

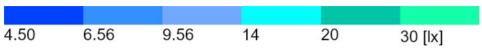
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
32	TRILUX		ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 1)	22.0 W	3800 lm	172.7 lm/W

Building 1 · Storey 1 · OFF11 (Emergency light scene)

Anti panic surface (OFF11)







Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (OFF11) Perpendicular illuminance (adaptive) Height: 0.000 m	5.03 lx (≥ 0.50 lx) ✓	22.2 lx	0.23 (≥ 0.025) ✓	AP1

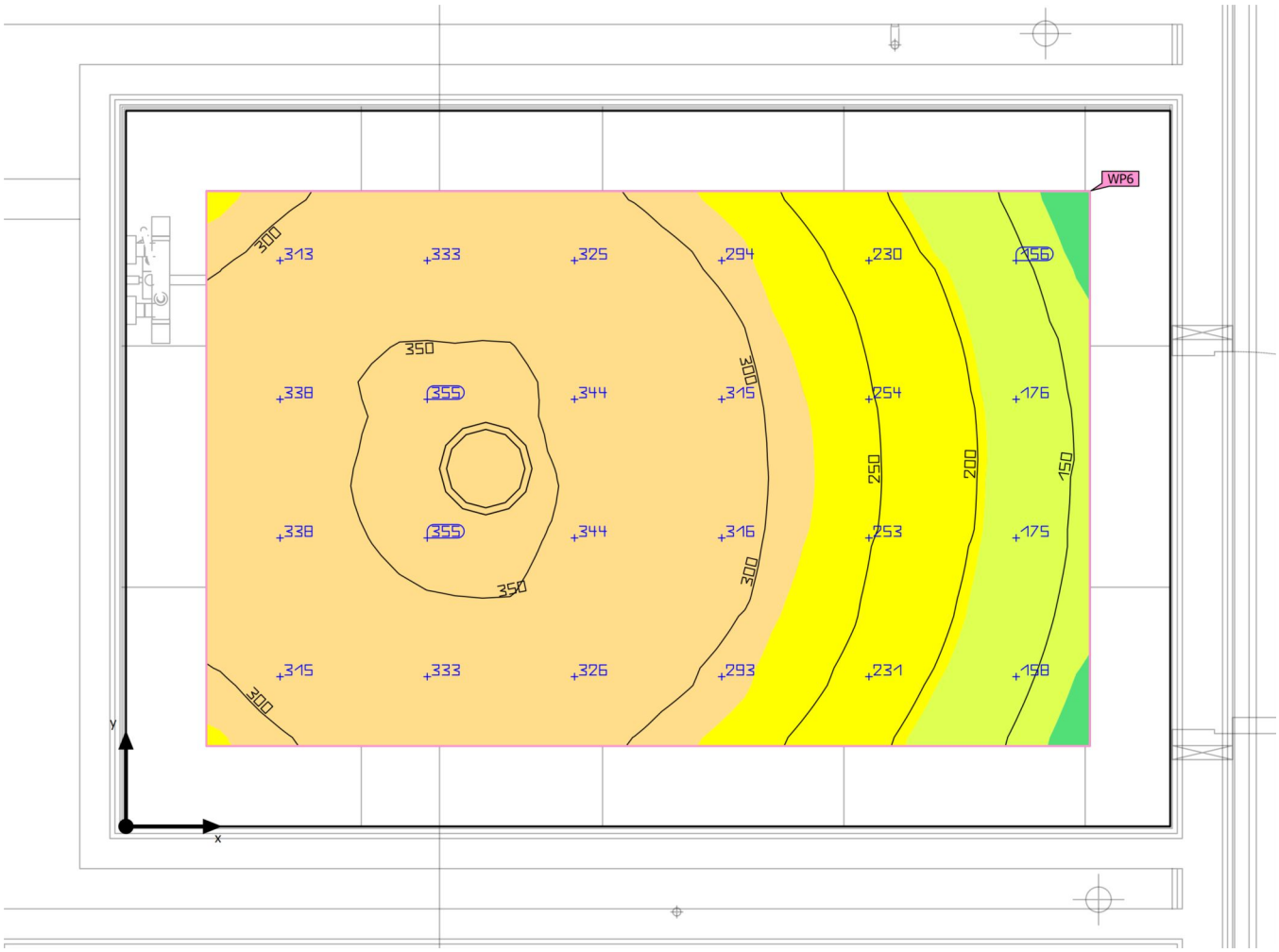
Building 1 · Storey 1 · OFF11 (Emergency light scene)

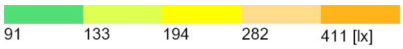
Anti panic surface (OFF11)

Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Building 1 · Storey 1 · RES11 (Light scene 1)

Summary





Ground area	4.62 m²	Clearance height	3.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.000 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.200 m

Building 1 · Storey 1 · RES11 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	285 lx	≥ 200 lx	✓	WP6
	U_o (g_1)	0.41	≥ 0.40	✓	WP6
	Lighting power density	6.60 W/m²	–		
		2.32 W/m²/100 lx	–		
Energy estimation(2)	Consumption	16.5 kWh/a	max. 200 kWh/a	✓	
Space	Lighting power density	4.33 W/m²	–		
		1.52 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

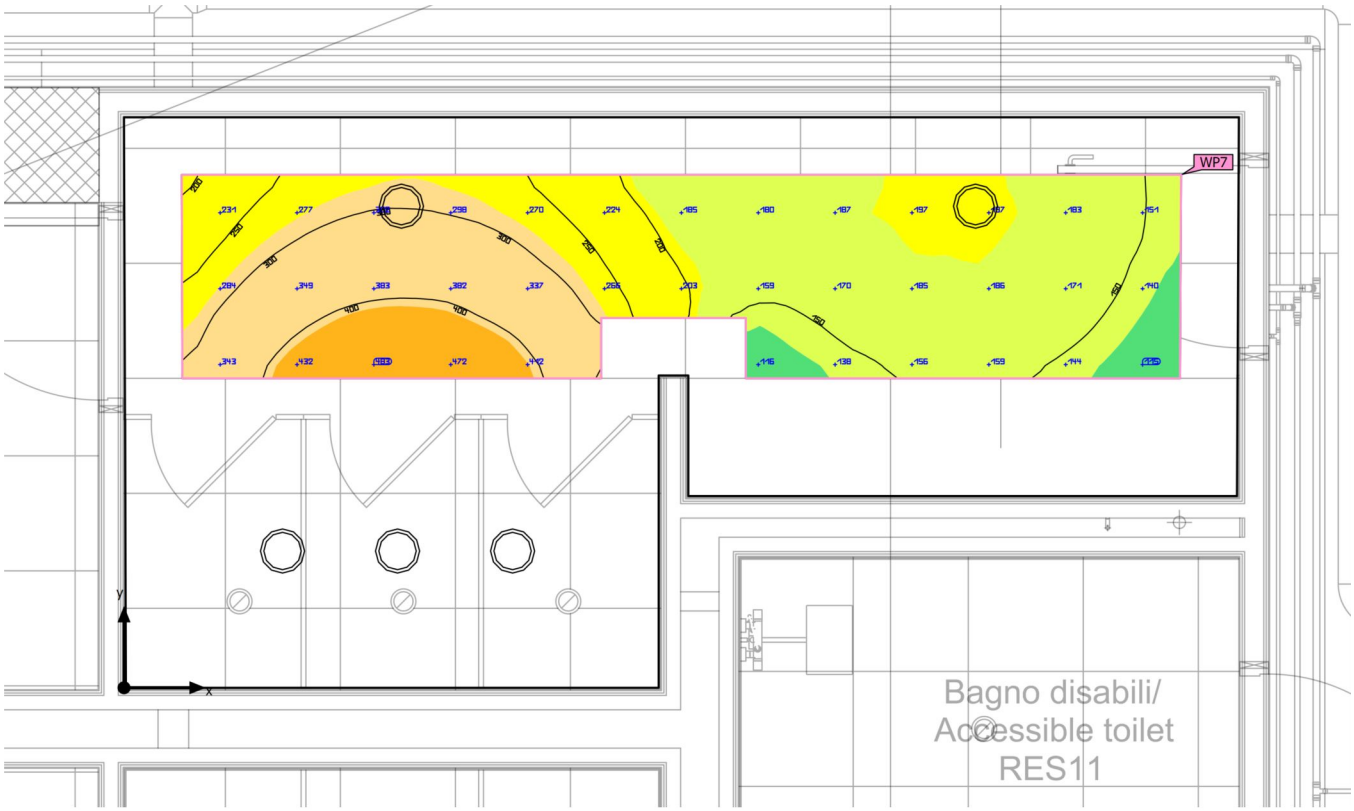
Utilisation profile: General areas inside buildings - Rest, sanitation and first aid rooms (10.4 Cloakrooms, washrooms, bathrooms, toilets)

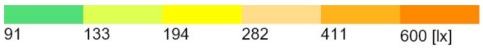
Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	TRILUX		Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 2)	20.0 W	2600 lm	130.0 lm/W

Building 1 · Storey 1 · RES12 (Light scene 1)

Summary





Ground area	14.16 m²
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %
Maintenance factor	0.80 (fixed)

Clearance height	3.000 m
Mounting height	3.000 m
Height Working plane	0.800 m
Wall zone Working plane	0.300 m

Building 1 · Storey 1 · RES12 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	243 lx	≥ 200 lx	✓	WP7
	U_o (g_1)	0.42	≥ 0.40	✓	WP7
	Lighting power density	10.87 W/m²	–		
		4.46 W/m²/100 lx	–		
Energy estimation(2)	Consumption	47.4 kWh/a	max. 500 kWh/a	✓	
Space	Lighting power density	4.06 W/m²	–		
		1.67 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

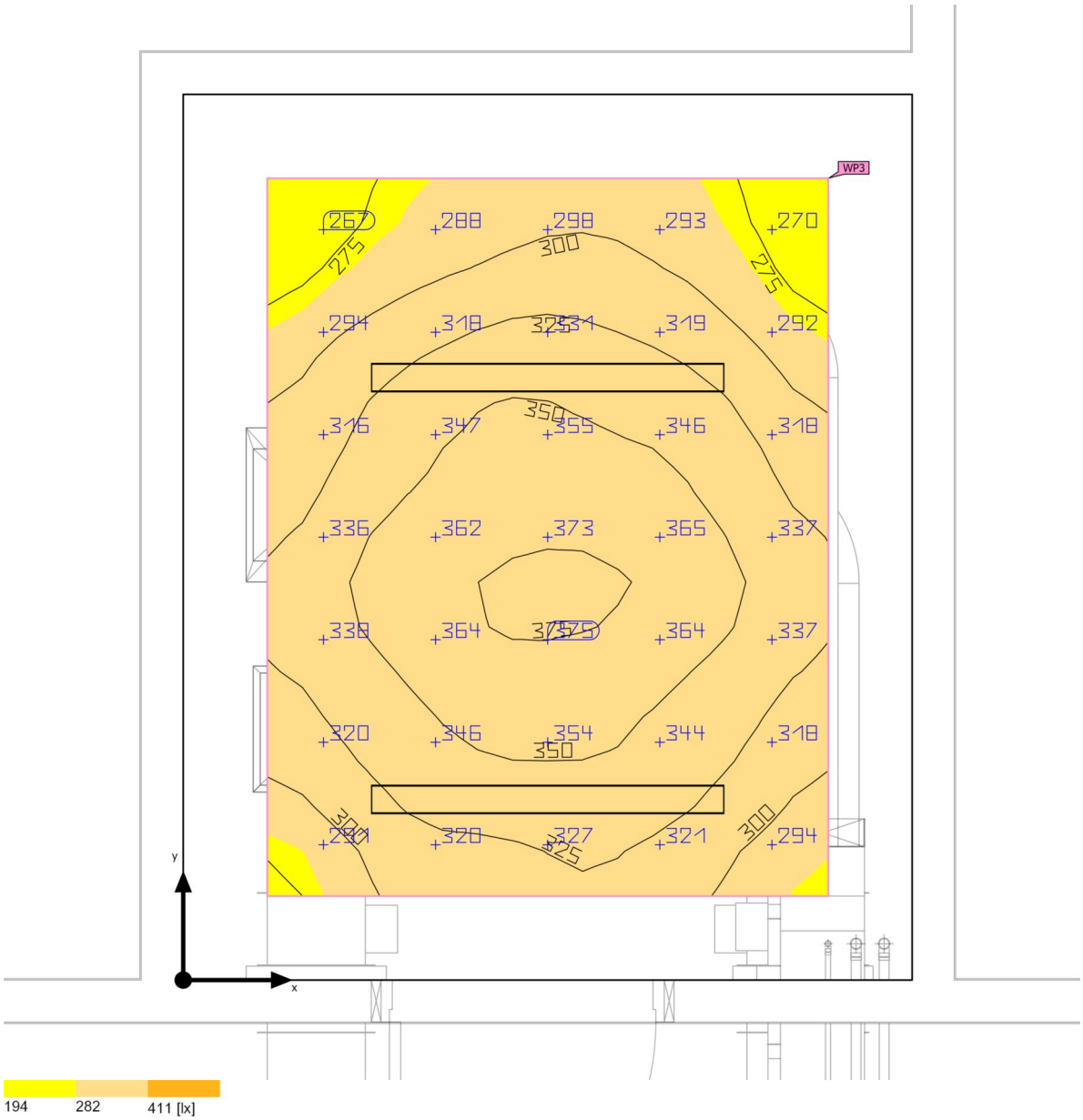
Utilisation profile: General areas inside buildings - Rest, sanitation and first aid rooms (10.4 Cloakrooms, washrooms, bathrooms, toilets)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
5	TRILUX		Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 0)	11.5 W	1400 lm	121.7 lm/W

Building 1 · Storey 1 · SHF01 (Light scene 1)

Summary



Ground area	8.22 m²	Clearance height	5.300 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · SHF01 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	327 lx	≥ 200 lx	✓	WP3
	U_o (g_1)	0.78	≥ 0.40	✓	WP3
	Lighting power density	10.94 W/m²	–		
		3.35 W/m²/100 lx	–		
Energy estimation(2)	Consumption	153 kWh/a	max. 300 kWh/a	✓	
Space	Lighting power density	6.82 W/m²	–		
		2.09 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

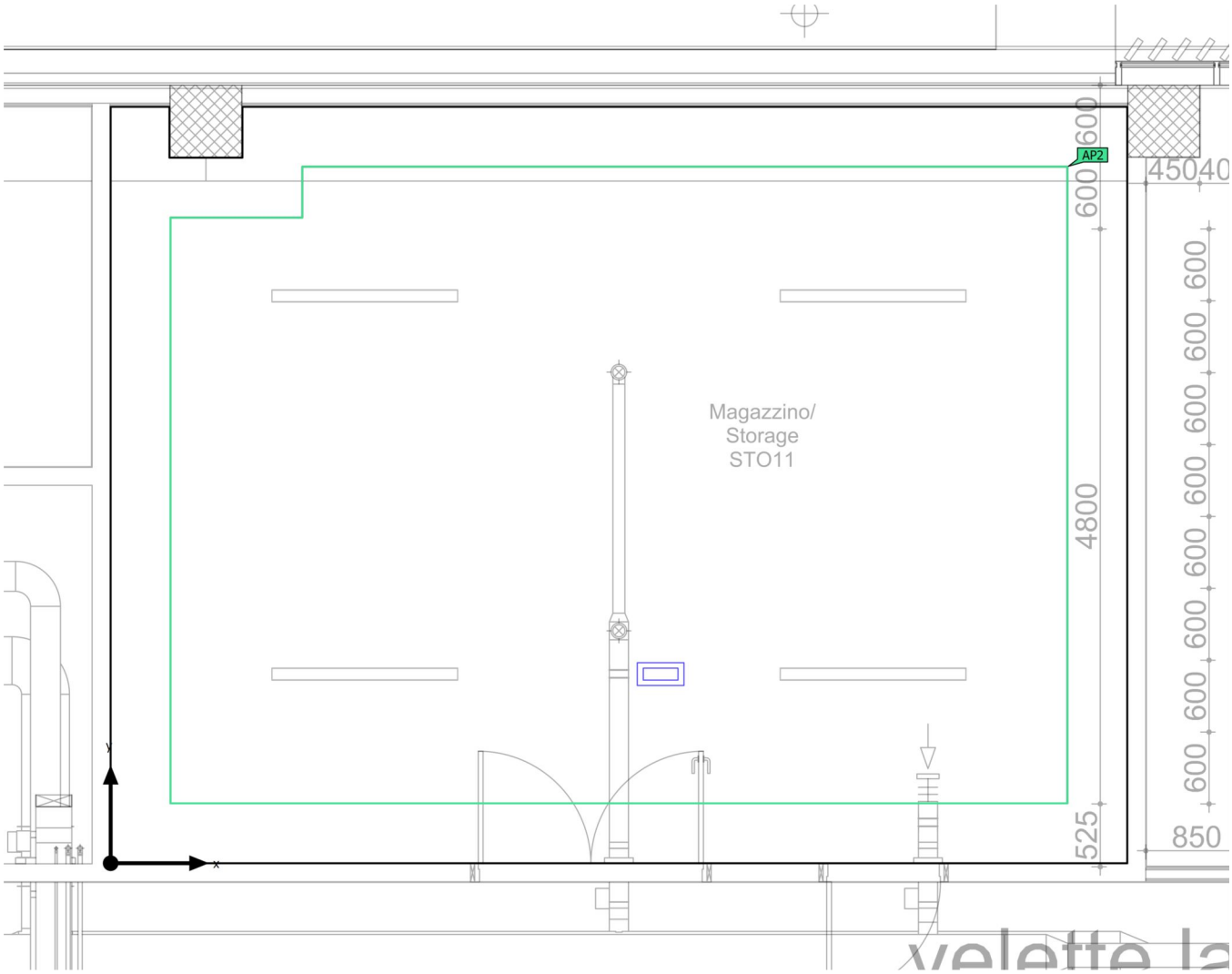
Utilisation profile: General areas inside buildings - Rest, sanitation and first aid rooms (10.8 General cleaning)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	TRILUX		OleveonF 12 B 4000-840 ET PC	28.0 W	3900 lm	139.3 lm/W

Building 1 · Storey 1 · STO11 (Emergency light scene)

Summary



Ground area	53.36 m²	Clearance height	5.300 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · STO11 (Emergency light scene)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Space	Lighting power density	0.10 W/m²	–		

Anti panic surface

Properties	E_{min} (Target)	E_{max}	U_d (Target)	Index
Anti panic surface (STO11) Perpendicular illuminance (adaptive) Height: 0.000 m	1.37 lx (≥ 0.50 lx) ✓	14.6 lx	0.094 (≥ 0.025) ✓	AP2

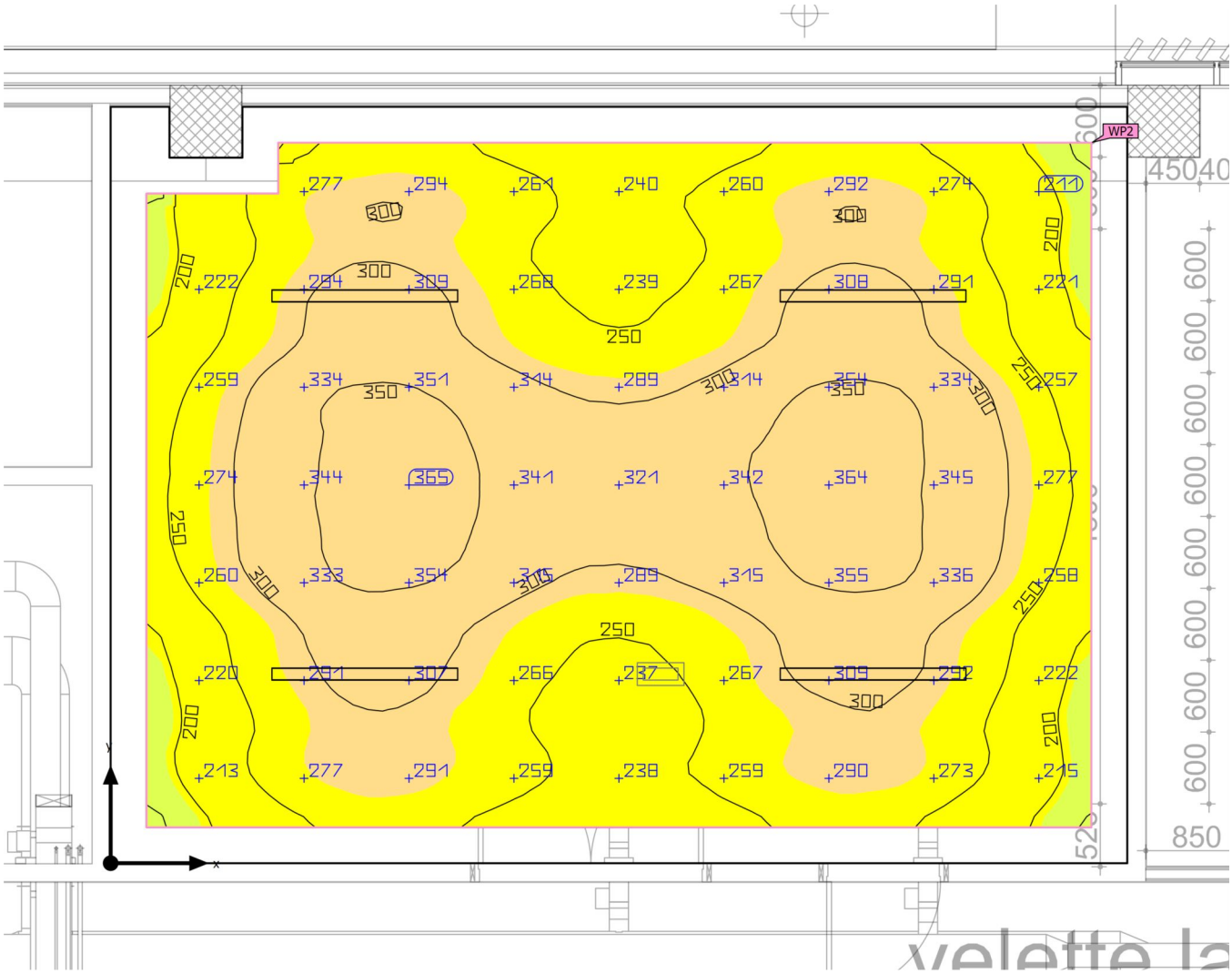
Notes on planning:
The emergency lighting scene was calculated without reflection and taking into account the placed furniture.

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	LINERGY S.r.l.	CE2002	CRISTAL EVO SL IP65 SPY CENTER	5.1 W	560 lm (100 %)	–

Building 1 · Storey 1 · STO11 (Light scene 1)

Summary



Ground area	53.36 m²	Clearance height	5.300 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	3.500 m
		Height Working plane	0.800 m
Maintenance factor	0.80 (fixed)	Wall zone Working plane	0.300 m

Building 1 · Storey 1 · STO11 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{perpendicular}$	284 lx	≥ 250 lx	✓	WP2
	U_o (g_1)	0.60	≥ 0.40	✓	WP2
	Lighting power density	3.94 W/m²	–		
		1.39 W/m²/100 lx	–		
Energy estimation(2)	Consumption	436 kWh/a	max. 1900 kWh/a	✓	
Space	Lighting power density	3.30 W/m²	–		
		1.16 W/m²/100 lx	–		

(2) Calculated using DIN:18599-4.

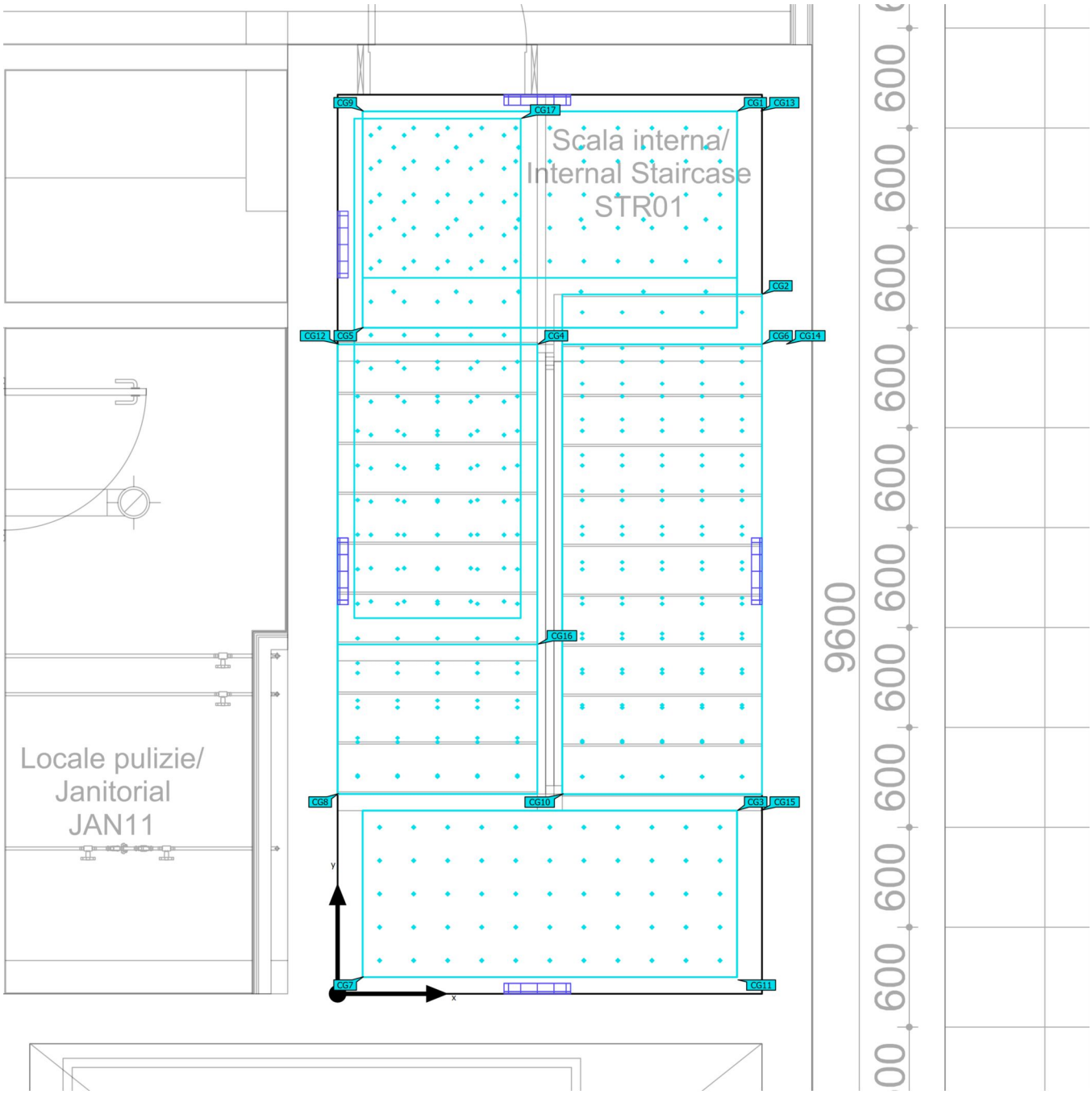
Utilisation profile: General areas inside buildings - Store rooms, cold stores (12.3 Pantry)

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	TRILUX		OleveonF 15 B 6000-840 ETDD PC	44.0 W	6000 lm	136.4 lm/W
				44.0 W	6000 lm (100 %)	–

Building 1 · Storey 1 · STR01 (Light scene 1)

Calculation objects



Building 1 · Storey 1 · STR01 (Light scene 1)

Calculation objects

Calculation surfaces

Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 1 Perpendicular illuminance Height: 1.837 m	318 lx	208 lx	508 lx	0.65	0.41	CG2
Ramp 11 Perpendicular illuminance Height: 10.419 m	324 lx	224 lx	425 lx	0.69	0.53	CG12
Ramp 13 Perpendicular illuminance Height: 12.120 m	390 lx	282 lx	584 lx	0.72	0.48	CG14
Ramp 15 Perpendicular illuminance Height: 13.299 m	334 lx	260 lx	406 lx	0.78	0.64	CG16
Ramp 3 Perpendicular illuminance Height: 3.619 m	344 lx	218 lx	514 lx	0.63	0.42	CG4
Ramp 5 Perpendicular illuminance Height: 5.320 m	329 lx	206 lx	519 lx	0.63	0.40	CG6
Ramp 7 Perpendicular illuminance Height: 7.019 m	345 lx	219 lx	515 lx	0.63	0.43	CG8
Ramp 9 Perpendicular illuminance Height: 8.720 m	326 lx	216 lx	512 lx	0.66	0.42	CG10
Step 0 Perpendicular illuminance Height: 0.800 m	282 lx	136 lx	422 lx	0.48	0.32	CG1
Step 10 Perpendicular illuminance Height: 9.470 m	256 lx	135 lx	356 lx	0.53	0.38	CG11
Step 12 Perpendicular illuminance Height: 11.170 m	323 lx	202 lx	434 lx	0.63	0.47	CG13

Building 1 · Storey 1 · STR01 (Light scene 1)

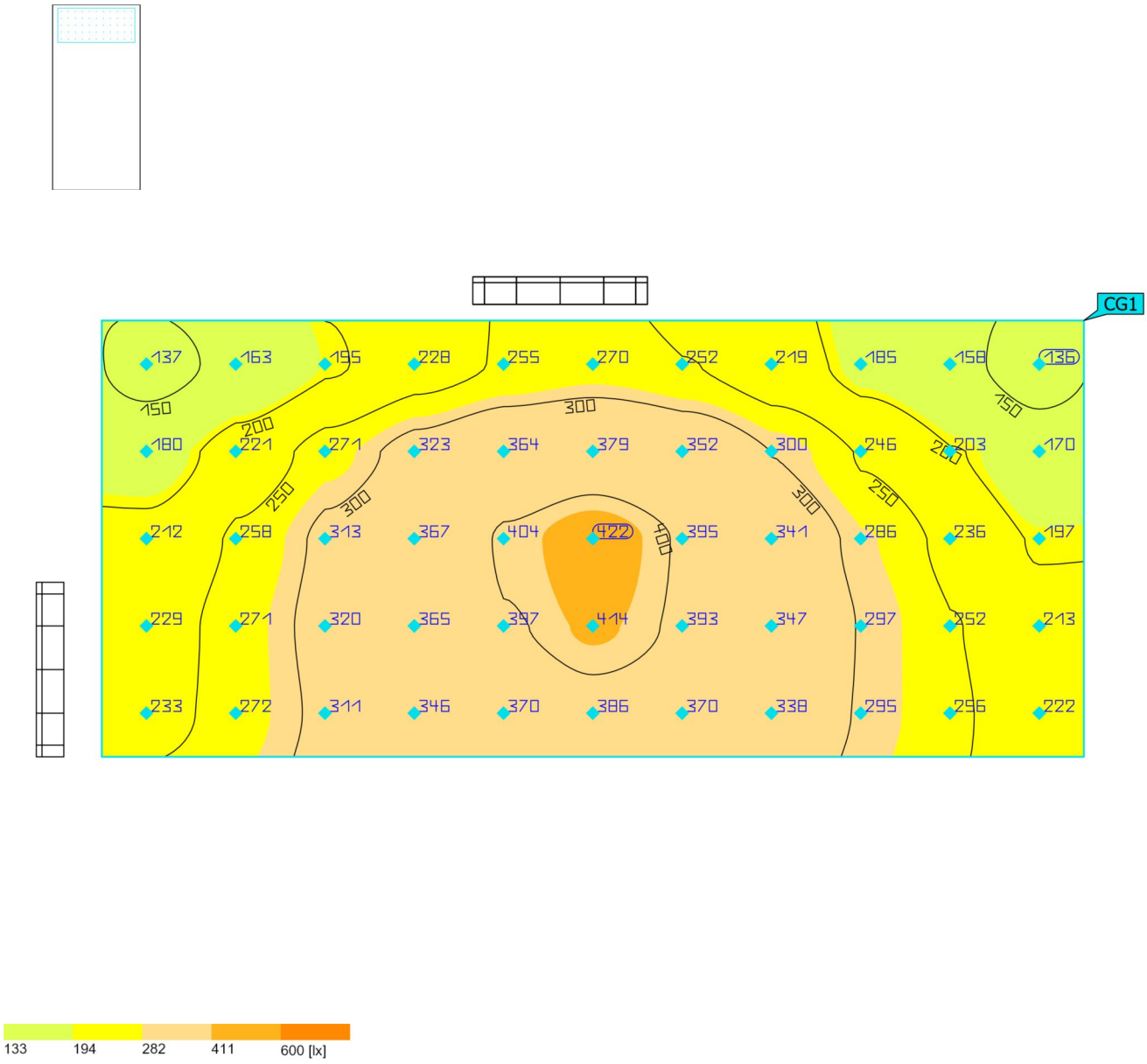
Calculation objects

Step 14 Perpendicular illuminance Height: 12.870 m	285 lx	164 lx	386 lx	0.58	0.42	CG15
Step 16 Perpendicular illuminance Height: 13.629 m	332 lx	200 lx	411 lx	0.60	0.49	CG17
Step 2 Perpendicular illuminance Height: 2.670 m	255 lx	134 lx	358 lx	0.53	0.37	CG3
Step 4 Perpendicular illuminance Height: 4.370 m	250 lx	156 lx	328 lx	0.62	0.48	CG5
Step 6 Perpendicular illuminance Height: 6.070 m	257 lx	138 lx	359 lx	0.54	0.38	CG7
Step 8 Perpendicular illuminance Height: 7.770 m	250 lx	153 lx	326 lx	0.61	0.47	CG9

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 0

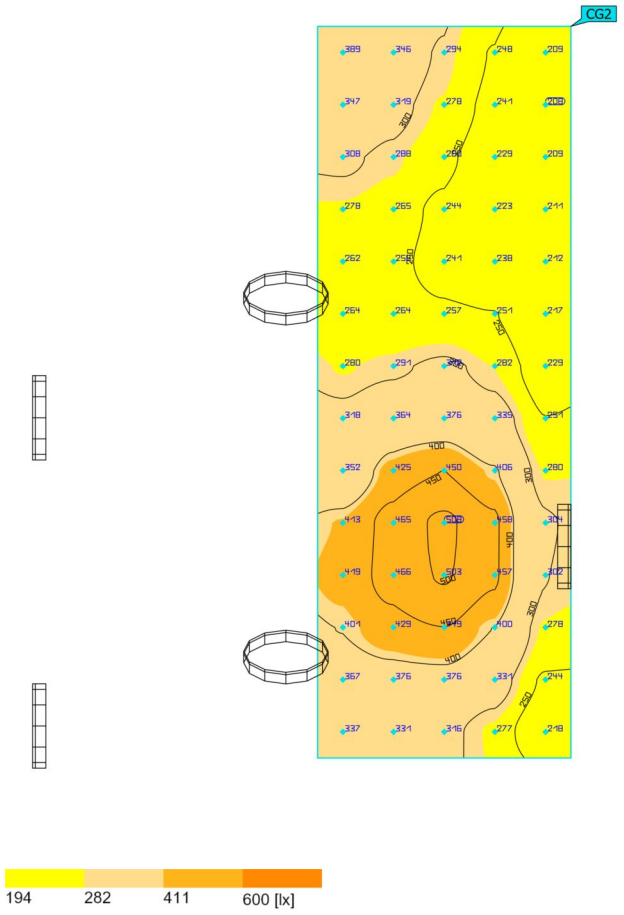


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 0 Perpendicular illuminance Height: 0.800 m	282 lx	136 lx	422 lx	0.48	0.32	CG1

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Ramp 1

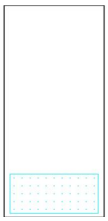


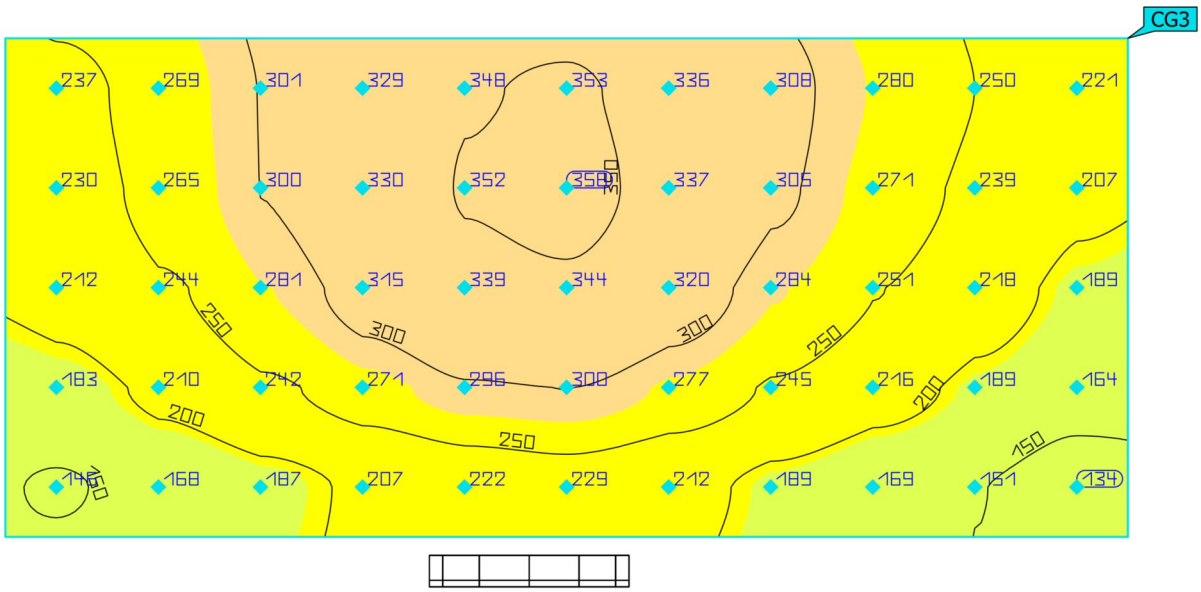
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 1 Perpendicular illuminance Height: 1.837 m	318 lx	208 lx	508 lx	0.65	0.41	CG2

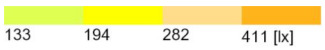
Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 2





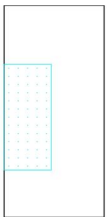


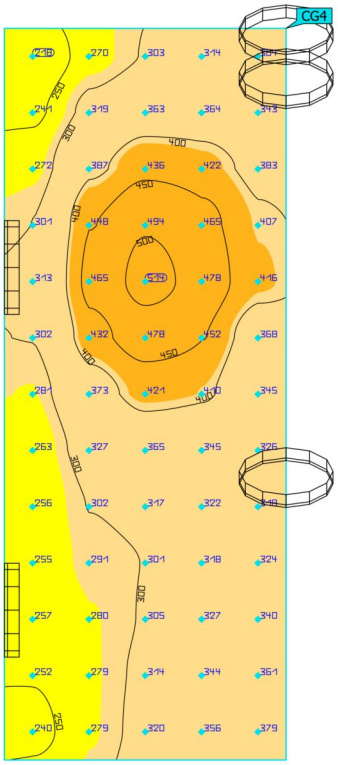
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 2 Perpendicular illuminance Height: 2.670 m	255 lx	134 lx	358 lx	0.53	0.37	CG3

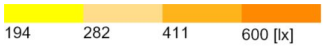
Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Ramp 3





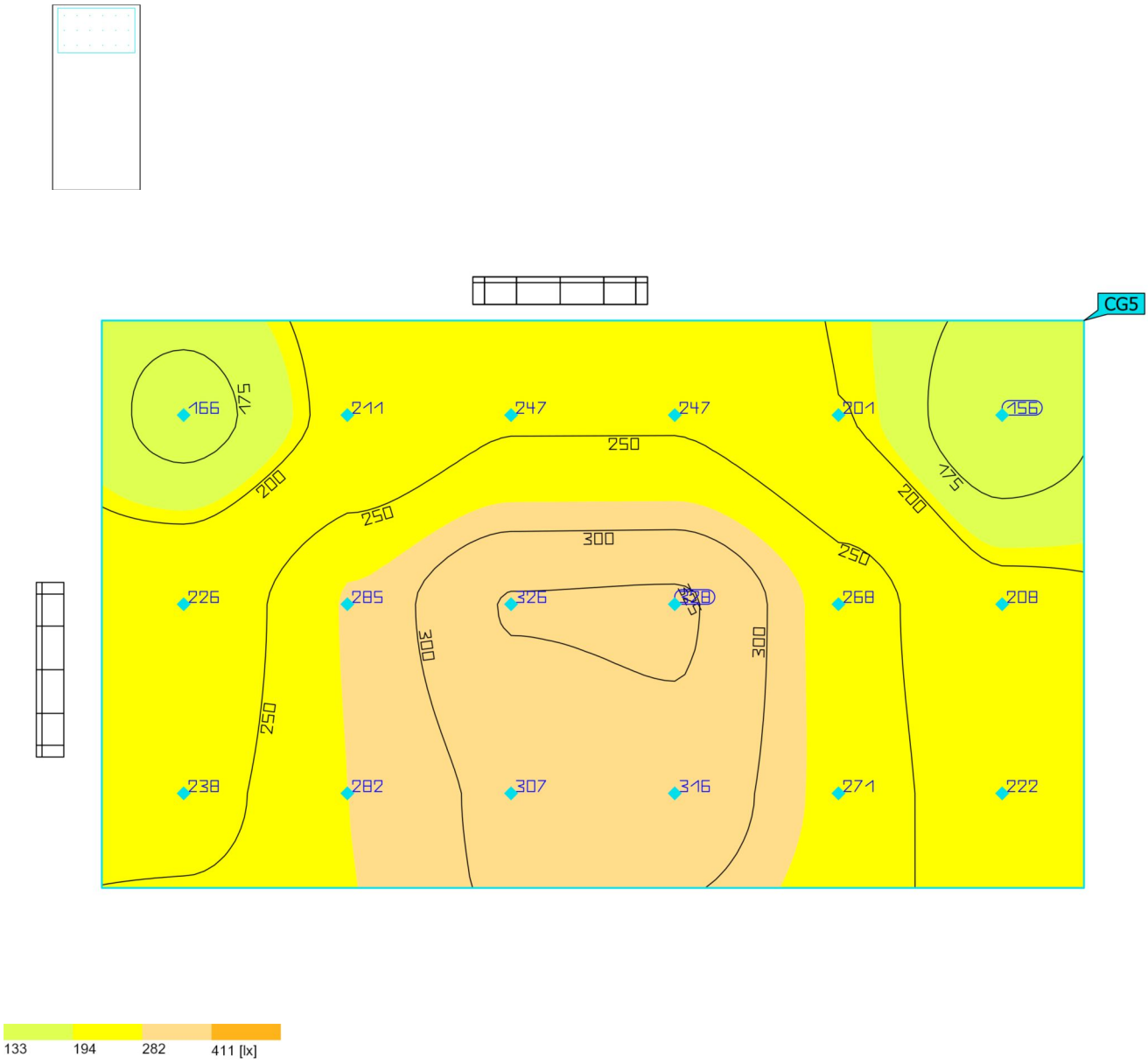


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 3 Perpendicular illuminance Height: 3.619 m	344 lx	218 lx	514 lx	0.63	0.42	CG4

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 4

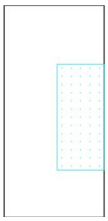


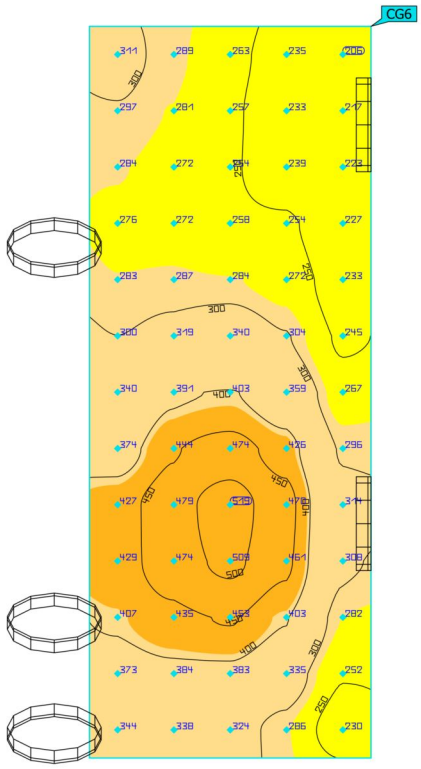
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 4 Perpendicular illuminance Height: 4.370 m	250 lx	156 lx	328 lx	0.62	0.48	CG5

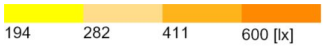
Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Ramp 5





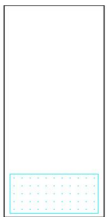


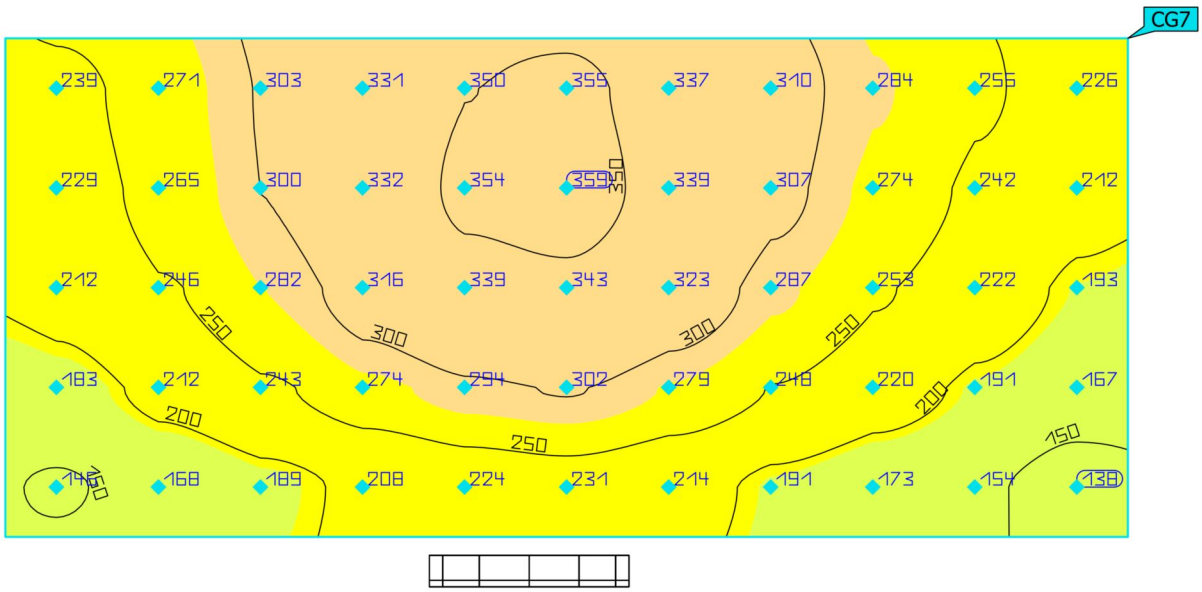
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 5 Perpendicular illuminance Height: 5.320 m	329 lx	206 lx	519 lx	0.63	0.40	CG6

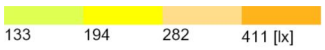
Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 6





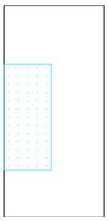


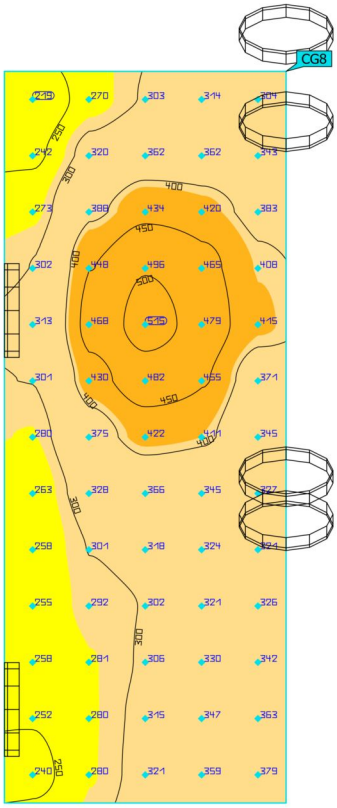
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 6 Perpendicular illuminance Height: 6.070 m	257 lx	138 lx	359 lx	0.54	0.38	CG7

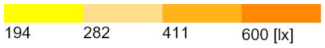
Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Ramp 7





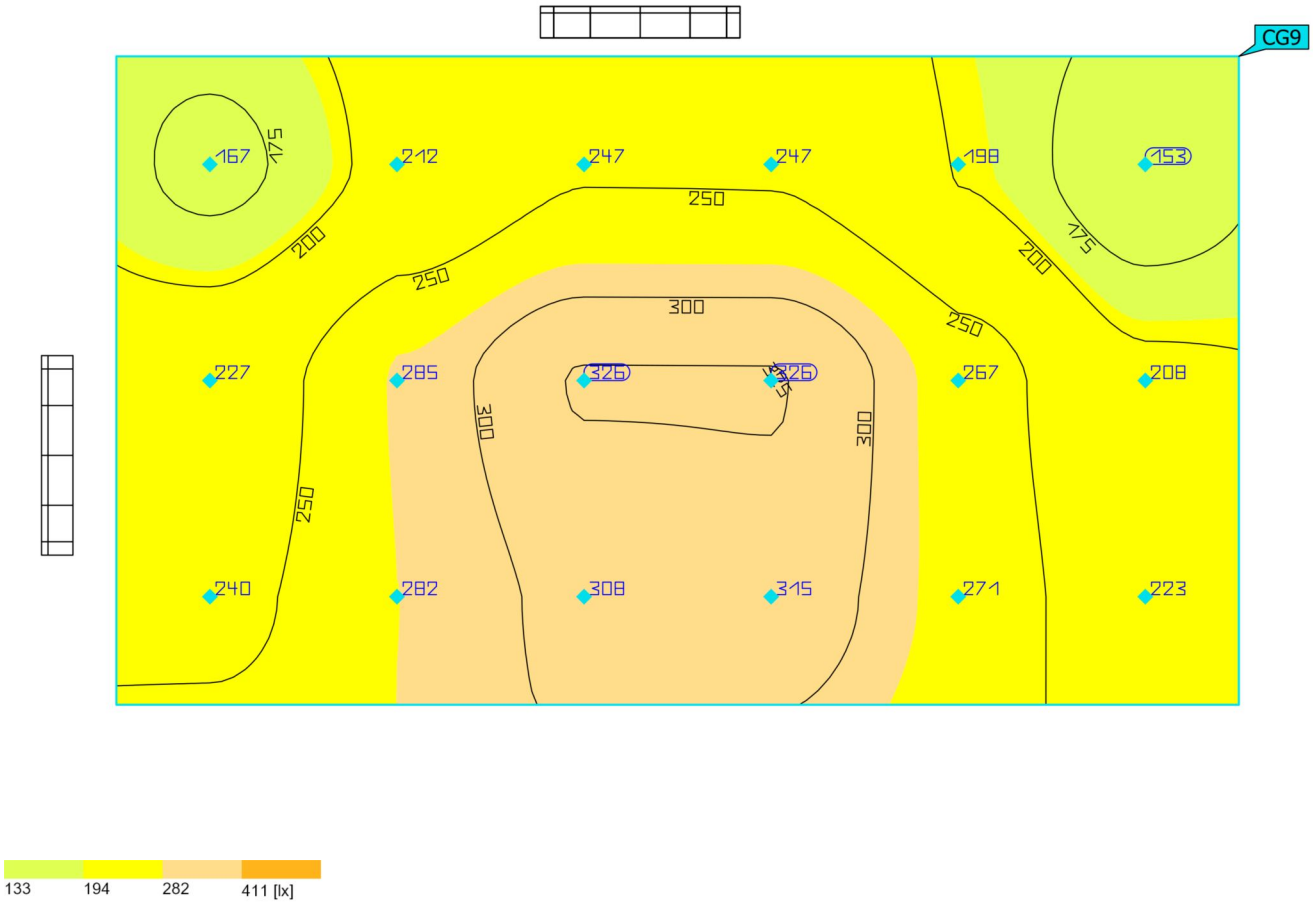


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 7 Perpendicular illuminance Height: 7.019 m	345 lx	219 lx	515 lx	0.63	0.43	CG8

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 8

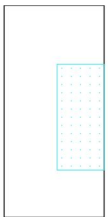


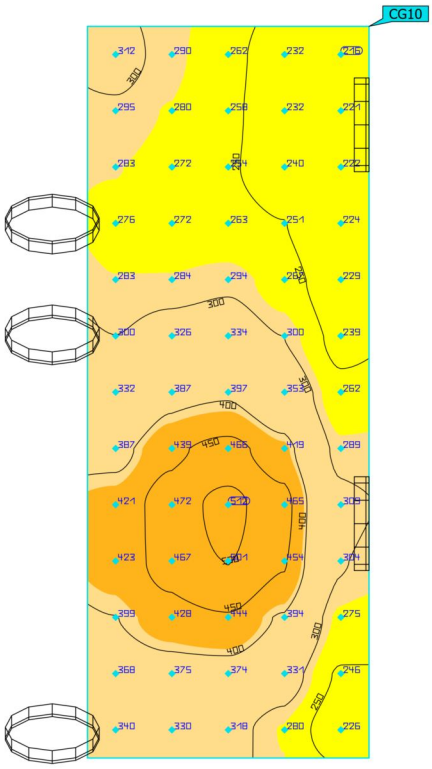
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 8 Perpendicular illuminance Height: 7.770 m	250 lx	153 lx	326 lx	0.61	0.47	CG9

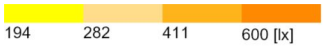
Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Ramp 9





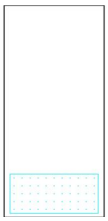


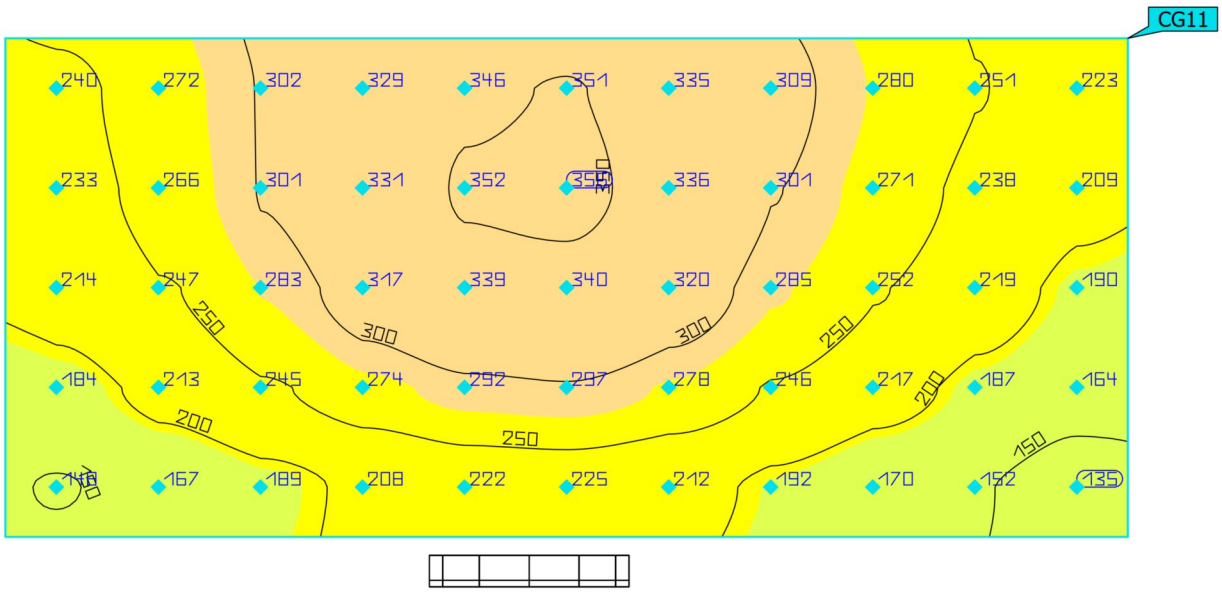
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 9 Perpendicular illuminance Height: 8.720 m	326 lx	216 lx	512 lx	0.66	0.42	CG10

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 10



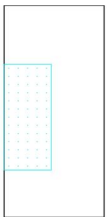


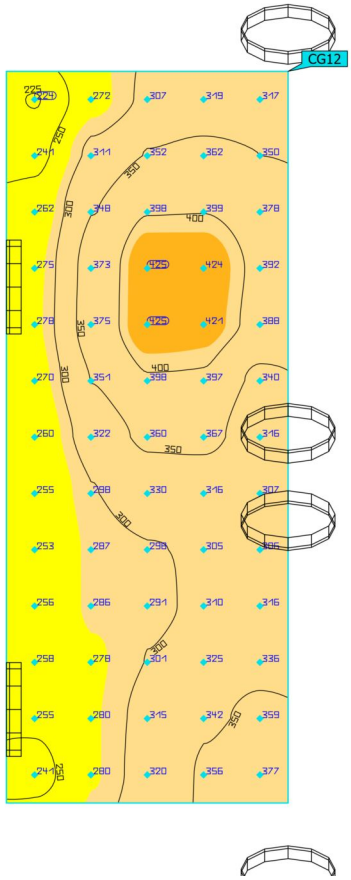
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 10 Perpendicular illuminance Height: 9.470 m	256 lx	135 lx	356 lx	0.53	0.38	CG11

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Ramp 11



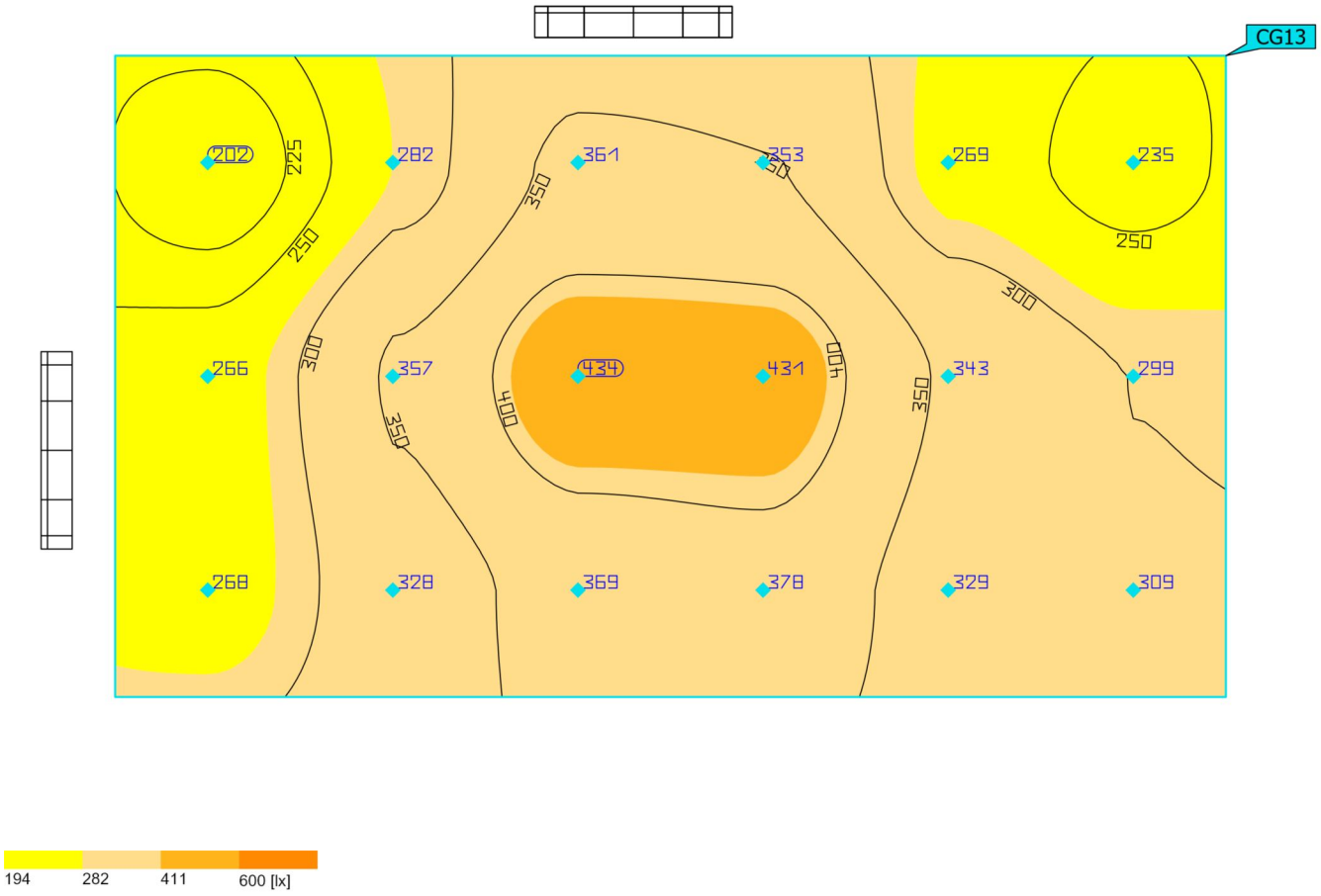


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 11 Perpendicular illuminance Height: 10.419 m	324 lx	224 lx	425 lx	0.69	0.53	CG12

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 12

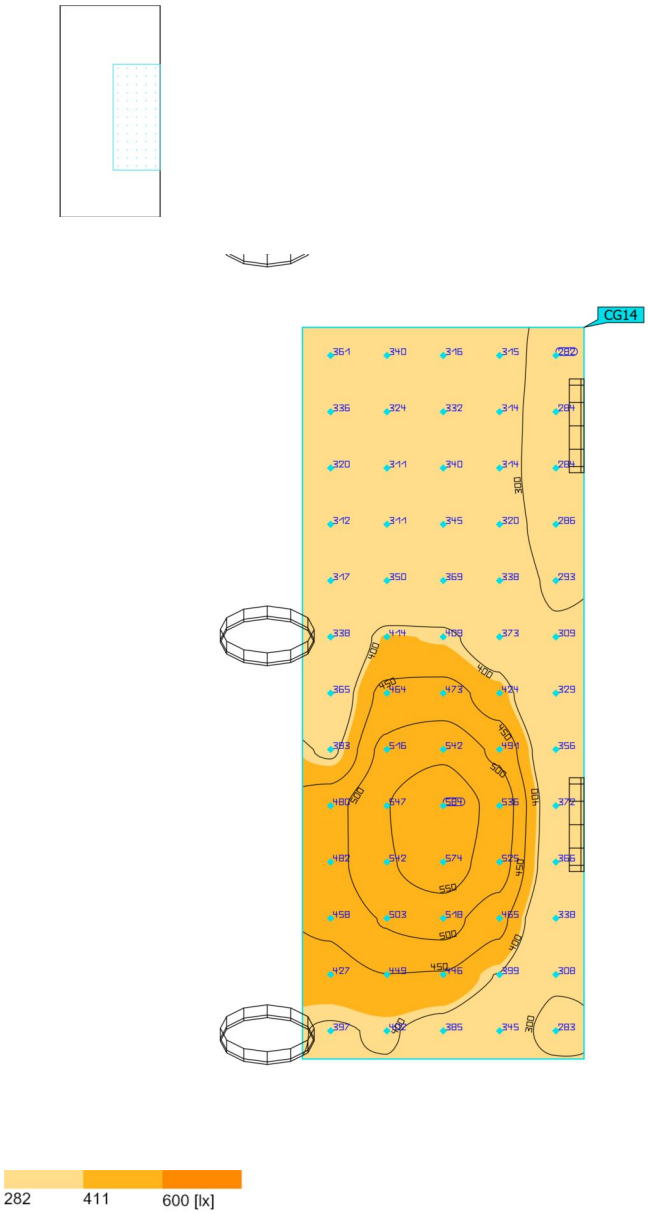


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 12 Perpendicular illuminance Height: 11.170 m	323 lx	202 lx	434 lx	0.63	0.47	CG13

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Ramp 13

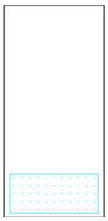


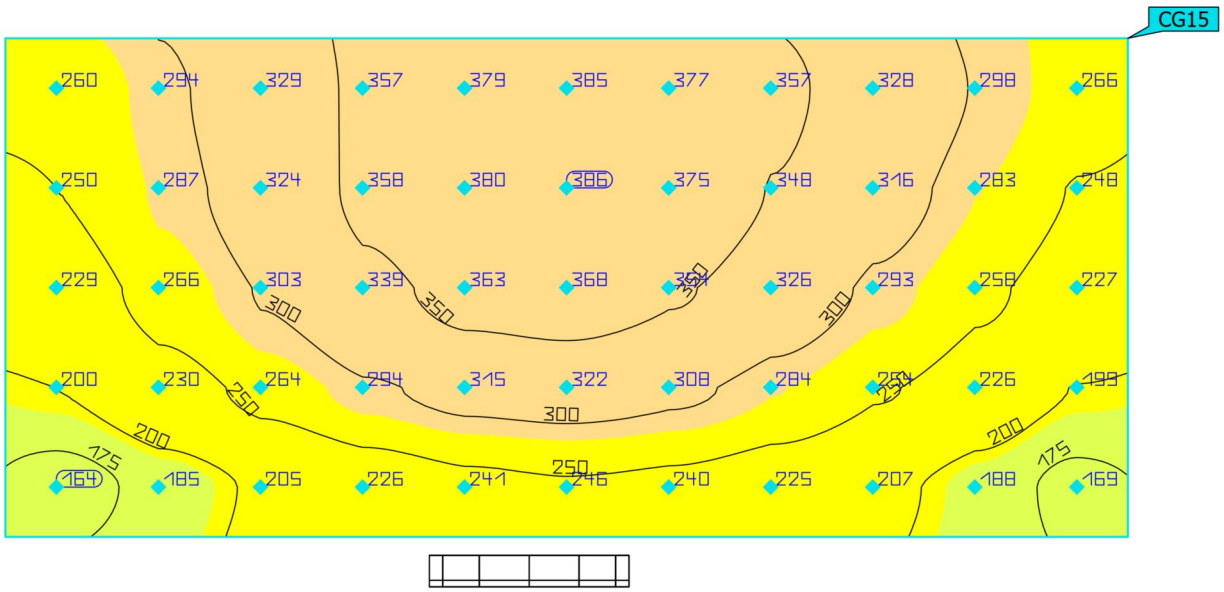
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 13 Perpendicular illuminance Height: 12.120 m	390 lx	282 lx	584 lx	0.72	0.48	CG14

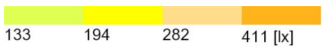
Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 14





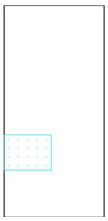


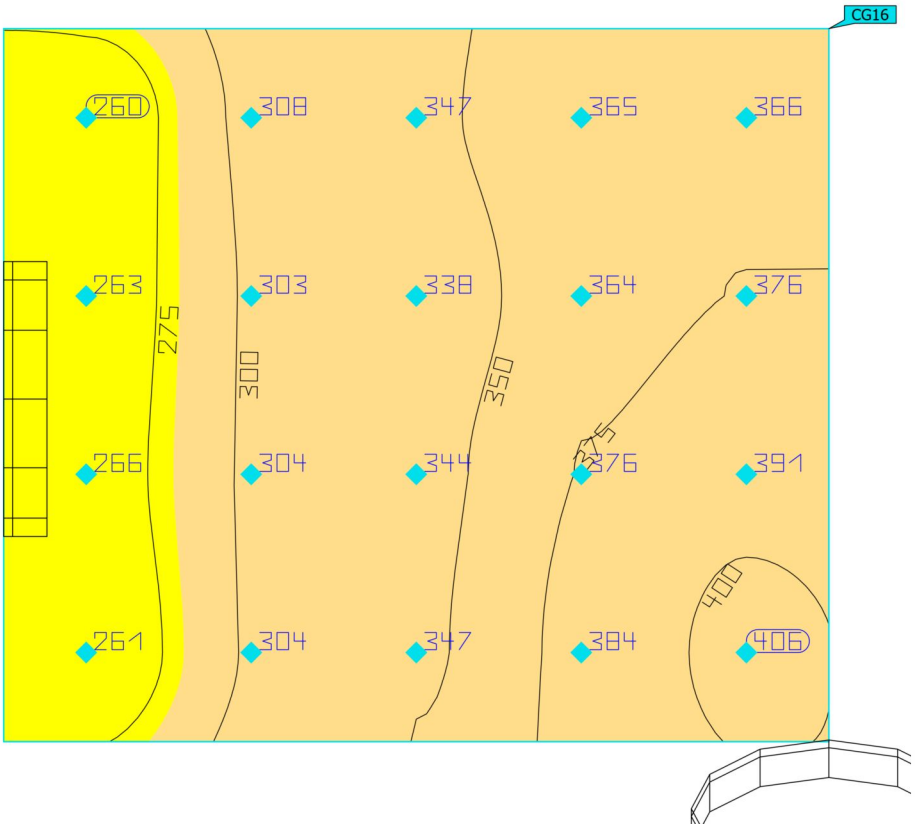
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 14 Perpendicular illuminance Height: 12.870 m	285 lx	164 lx	386 lx	0.58	0.42	CG15

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Ramp 15



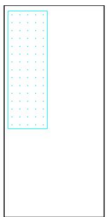


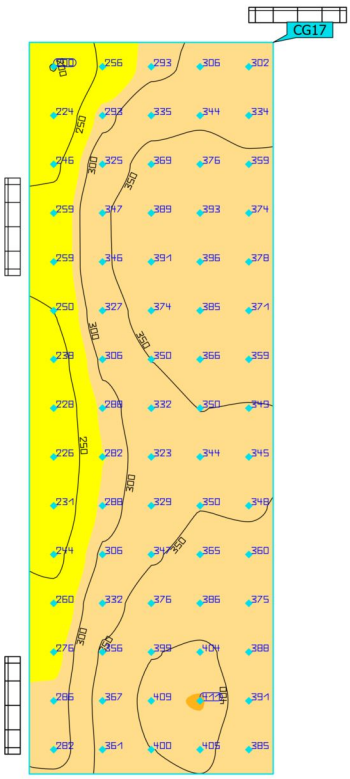
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Ramp 15 Perpendicular illuminance Height: 13.299 m	334 lx	260 lx	406 lx	0.78	0.64	CG16

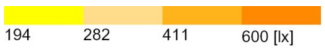
Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · STR01 (Light scene 1)

Step 16



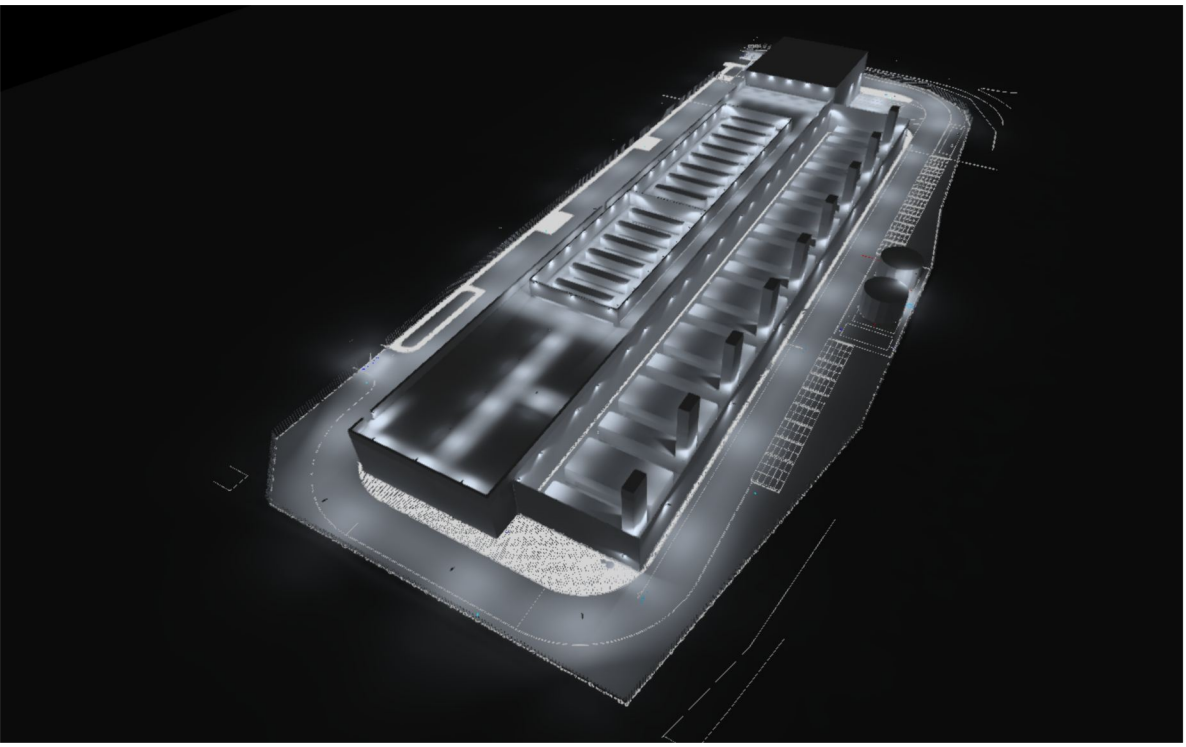




Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Step 16 Perpendicular illuminance Height: 13.629 m	332 lx	200 lx	411 lx	0.60	0.49	CG17

Utilisation profile: DIALux presetting (34.2 Standard (office))

Date 04/11/2025



STACK DC MIL07_Outdoor

Created with DIALux

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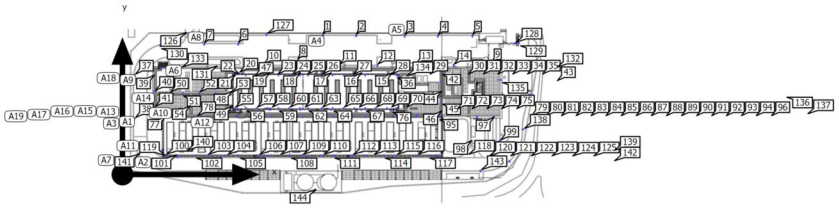
Luminaire list

Φ_{total}	P_{total}	Luminous efficacy
839160 lm	5710.5 W	147.0 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
13	TRILUX		Jovie 50-AB7L-4-24-7 40-CLO-E	16.5 W	2400 lm	145.4 lm/W
33	TRILUX		Jovie 70-AB7L-8-91-7 40-CLO-B	59.0 W	9099 lm	154.2 lm/W
2	TRILUX		Jovie 70-AM2L-12-120 -740-CLO-E	78.0 W	11999 lm	153.8 lm/W
5	TRILUX		Jovie 70-AM3L-8-100- 740-CLO-E	69.0 W	9999 lm	144.9 lm/W
16	TRILUX		LnPlus 40-AB7L/3200-740 4G1 ETDD (CLO end value)	22.0 W	3200 lm	145.4 lm/W
38	TRILUX		LnPlus 40-AM19L/5100-740 6G1 ETDD (CLO initial value)	32.0 W	5100 lm	159.4 lm/W
37	TRILUX	LnPlus 40-AT3L/5100 -740 120G1 ETDD	LnPlus 40-AT3L/5100-740 120G1 ETDD	40.0 W	5100 lm	127.5 lm/W

Site 1

Luminaire layout plan



Site 1

Luminaire layout plan

TRILUX - - Jovie 50-AB7L-4-24-7 40-CLO-E
1x 1 x LED ET/ETDD

X	Y	Mounting height	MF	Luminaire
19.117 m	59.695 m	11.300 m	0.80	39
19.117 m	50.195 m	11.300 m	0.80	40
19.117 m	40.695 m	11.300 m	0.80	41
26.420 m	49.120 m	12.300 m	0.80	50
36.420 m	49.120 m	12.300 m	0.80	51
46.420 m	49.120 m	12.300 m	0.80	52
56.420 m	49.120 m	12.300 m	0.80	53
40.837 m	41.119 m	12.300 m	0.80	54
178.037 m	64.156 m	12.300 m	0.80	132
23.616 m	64.156 m	11.300 m	0.80	133
178.037 m	35.923 m	12.300 m	0.80	137
193.583 m	14.025 m	3.000 m	0.80	139
24.183 m	14.025 m	3.000 m	0.80	140

Site 1

Luminaire layout plan

TRILUX - - Jovie 70-AB7L-8-91-7 40-CLO-B
1x 1 x LED ET/ETDD

X	Y	Mounting height	MF	Luminaire
33.247 m	10.517 m	8.000 m	0.80	119
59.247 m	10.482 m	8.000 m	0.80	120
85.247 m	10.448 m	8.000 m	0.80	121
111.247 m	10.413 m	8.000 m	0.80	122
137.247 m	10.378 m	8.000 m	0.80	123
163.247 m	10.344 m	8.000 m	0.80	124
189.247 m	10.309 m	8.000 m	0.80	125
7.027 m	60.000 m	8.000 m	0.80	37
7.027 m	33.700 m	8.000 m	0.80	38
121.190 m	83.766 m	8.000 m	0.80	1
141.190 m	83.766 m	8.000 m	0.80	2
170.616 m	83.445 m	8.000 m	0.80	3
190.616 m	83.506 m	8.000 m	0.80	4
211.558 m	83.570 m	8.000 m	0.80	5
105.670 m	68.541 m	8.000 m	0.80	8
223.125 m	66.640 m	8.000 m	0.80	9
85.125 m	65.890 m	8.000 m	0.80	10
131.125 m	65.890 m	8.000 m	0.80	11
154.125 m	65.890 m	8.000 m	0.80	12
177.125 m	65.890 m	8.000 m	0.80	13
200.125 m	65.890 m	8.000 m	0.80	14

Site 1

Luminaire layout plan

X	Y	Mounting height	MF	Luminaire
69.960 m	78.688 m	8.000 m	0.80	6
49.400 m	78.688 m	8.000 m	0.80	7
211.052 m	20.158 m	8.000 m	0.80	98
227.709 m	20.158 m	8.000 m	0.80	99
87.000 m	84.436 m	8.000 m	0.80	127
22.791 m	77.815 m	8.000 m	0.80	130
228.742 m	57.121 m	8.000 m	0.80	135
246.192 m	48.308 m	8.000 m	0.80	136
242.061 m	27.285 m	8.000 m	0.80	138
10.075 m	12.491 m	8.000 m	0.80	141
233.977 m	7.988 m	8.000 m	0.80	142
216.400 m	2.003 m	8.000 m	0.80	143

TRILUX - - Jovie 70-AM2L-12-120 -740-CLO-E
1x 1 x LED ET/ETDD

X	Y	Mounting height	MF	Luminaire
214.381 m	34.644 m	8.000 m	0.80	96
224.381 m	34.644 m	8.000 m	0.80	97

Site 1

Luminaire layout plan

TRILUX - - Jovie 70-AM3L-8-100- 740-CLO-E
1x 1 x LED ET/ETDD

X	Y	Mounting height	MF	Luminaire
38.499 m	85.457 m	8.000 m	0.80	126
237.100 m	79.336 m	8.000 m	0.80	128
239.596 m	79.336 m	8.000 m	0.80	129
249.862 m	65.509 m	8.000 m	0.80	131
116.534 m	-9.229 m	8.000 m	0.80	144

Site 1

Luminaire layout plan

TRILUX - - LnPlus 40-AB7L/3200-740 4G1 ETDD (CLO end value)
1x 1 x LED

X	Y	Mounting height	MF	Luminaire
66.100 m	59.040 m	13.740 m	0.80	47
66.100 m	50.040 m	13.740 m	0.80	48
66.100 m	41.040 m	13.740 m	0.80	49
70.483 m	39.057 m	13.740 m	0.80	71
88.983 m	39.057 m	13.740 m	0.80	72
107.483 m	39.057 m	13.740 m	0.80	73
125.983 m	39.057 m	13.740 m	0.80	74
144.483 m	39.057 m	13.740 m	0.80	75
162.983 m	39.057 m	13.740 m	0.80	76
162.983 m	61.195 m	13.740 m	0.80	15
144.483 m	61.195 m	13.740 m	0.80	16
125.983 m	61.195 m	13.740 m	0.80	17
107.483 m	61.195 m	13.740 m	0.80	18
88.983 m	61.195 m	13.740 m	0.80	19
70.483 m	61.195 m	13.740 m	0.80	20
167.513 m	59.040 m	13.740 m	0.80	134

Site 1

Luminaire layout plan

TRILUX - - LnPlus 40-AM19L/5100-740 6G1 ETDD (CLO initial value)
1x 1 x LED

X	Y	Mounting height	MF	Luminaire
25.865 m	34.816 m	8.000 m	0.80	77
32.315 m	34.816 m	8.000 m	0.80	78
44.015 m	34.816 m	8.000 m	0.80	79
51.365 m	34.816 m	8.000 m	0.80	80
63.215 m	34.816 m	8.000 m	0.80	81
70.465 m	34.816 m	8.000 m	0.80	82
82.398 m	34.816 m	8.000 m	0.80	83
89.765 m	34.816 m	8.000 m	0.80	84
101.365 m	34.816 m	8.000 m	0.80	85
108.699 m	34.816 m	8.000 m	0.80	86
120.365 m	34.816 m	8.000 m	0.80	87
127.715 m	34.816 m	8.000 m	0.80	88
139.015 m	34.816 m	8.000 m	0.80	89
147.015 m	34.816 m	8.000 m	0.80	90
158.065 m	34.816 m	8.000 m	0.80	91
165.665 m	34.816 m	8.000 m	0.80	92
177.315 m	34.816 m	8.000 m	0.80	93
185.065 m	34.816 m	8.000 m	0.80	94
191.315 m	34.816 m	8.000 m	0.80	95
25.865 m	11.510 m	8.000 m	0.80	100
32.315 m	11.510 m	8.000 m	0.80	101

Site 1

Luminaire layout plan

X	Y	Mounting height	MF	Luminaire
44.015 m	11.510 m	8.000 m	0.80	102
51.365 m	11.510 m	8.000 m	0.80	103
63.215 m	11.510 m	8.000 m	0.80	104
70.465 m	11.510 m	8.000 m	0.80	105
82.398 m	11.510 m	8.000 m	0.80	106
89.765 m	11.510 m	8.000 m	0.80	107
101.365 m	11.510 m	8.000 m	0.80	108
108.699 m	11.510 m	8.000 m	0.80	109
120.365 m	11.510 m	8.000 m	0.80	110
127.715 m	11.510 m	8.000 m	0.80	111
139.015 m	11.510 m	8.000 m	0.80	112
147.015 m	11.510 m	8.000 m	0.80	113
158.065 m	11.510 m	8.000 m	0.80	114
165.665 m	11.510 m	8.000 m	0.80	115
177.315 m	11.510 m	8.000 m	0.80	116
185.065 m	11.510 m	8.000 m	0.80	117
191.315 m	11.510 m	8.000 m	0.80	118

Site 1

Luminaire layout plan

TRILUX - LnPlus 40-AT3L/5100-740 120G1 ETDD - LnPlus 40-AT3L/5100-740 120G1 ETDD 1x LED

X	Y	Mounting height	MF	Luminaire
68.001 m	59.971 m	13.740 m	0.80	21
74.564 m	59.971 m	13.740 m	0.80	22
81.127 m	59.971 m	13.740 m	0.80	23
87.690 m	59.971 m	13.740 m	0.80	24
94.253 m	59.971 m	13.740 m	0.80	25
100.816 m	59.971 m	13.740 m	0.80	26
107.379 m	59.971 m	13.740 m	0.80	27
112.144 m	59.971 m	13.740 m	0.80	28
120.505 m	59.971 m	13.740 m	0.80	29
127.068 m	59.971 m	13.740 m	0.80	30
133.631 m	59.971 m	13.740 m	0.80	31
140.193 m	59.971 m	13.740 m	0.80	32
146.756 m	59.971 m	13.740 m	0.80	33
153.044 m	59.971 m	13.740 m	0.80	34
159.882 m	59.971 m	13.740 m	0.80	35
165.644 m	59.971 m	13.740 m	0.80	36
68.001 m	40.046 m	13.740 m	0.80	55
74.564 m	40.046 m	13.740 m	0.80	56
81.127 m	40.046 m	13.740 m	0.80	57
87.690 m	40.046 m	13.740 m	0.80	58
94.253 m	40.046 m	13.740 m	0.80	59

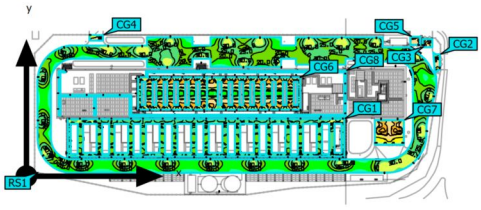
Site 1

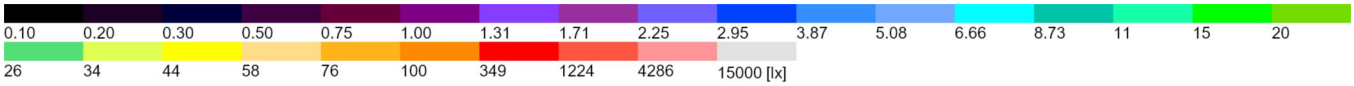
Luminaire layout plan

X	Y	Mounting height	MF	Luminaire
100.816 m	40.046 m	13.740 m	0.80	60
107.379 m	40.046 m	13.740 m	0.80	61
112.144 m	40.046 m	13.740 m	0.80	62
120.505 m	40.046 m	13.740 m	0.80	63
127.068 m	40.046 m	13.740 m	0.80	64
133.631 m	40.046 m	13.740 m	0.80	65
140.193 m	40.046 m	13.740 m	0.80	66
146.756 m	40.046 m	13.740 m	0.80	67
153.044 m	40.046 m	13.740 m	0.80	68
159.882 m	40.046 m	13.740 m	0.80	69
165.644 m	40.046 m	13.740 m	0.80	70
192.700 m	62.040 m	14.000 m	0.80	42
192.700 m	56.040 m	14.000 m	0.80	43
192.700 m	50.040 m	14.000 m	0.80	44
192.700 m	44.040 m	14.000 m	0.80	45
192.700 m	38.040 m	14.000 m	0.80	46

Site 1 (Light scene 1)

Calculation objects





Site 1 (Light scene 1)

Calculation objects

Surface result objects

Properties	Ø	min	max	U_o (g_1)	g_2	Index
General Traffic Area Perpendicular illuminance (adaptive) Height: 0.000 m	24.5 lx	10.0 lx	74.4 lx	0.41	0.13	RS1
General Traffic Area Luminance Height: 0.000 m	5.46 cd/m²	2.23 cd/m²	16.6 cd/m²	0.41	0.13	RS1

Calculation surfaces

Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Area Chiller Perpendicular illuminance Height: 10.040 m	58.8 lx	14.6 lx	114 lx	0.25	0.13	CG6
Loading Bay Perpendicular illuminance Height: 0.000 m	65.3 lx	38.9 lx	95.6 lx	0.60	0.41	CG7
Outdoor Technical Area Perpendicular illuminance Height: 0.000 m	27.9 lx	17.7 lx	39.3 lx	0.63	0.45	CG1
Vehicle Gate 1 Perpendicular illuminance Height: 0.000 m	53.2 lx	26.3 lx	71.7 lx	0.49	0.37	CG2
Vehicle Gate 2 Perpendicular illuminance Height: 0.000 m	64.0 lx	47.5 lx	76.4 lx	0.74	0.62	CG3
Vehicle Gate 2 Perpendicular illuminance Height: 0.000 m	64.8 lx	35.5 lx	82.4 lx	0.55	0.43	CG5
Vehicle Gate 3 Perpendicular illuminance Height: 0.000 m	52.7 lx	22.5 lx	67.9 lx	0.43	0.33	CG4

Site 1 (Light scene 1)

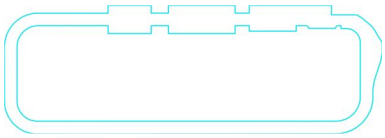
Calculation objects

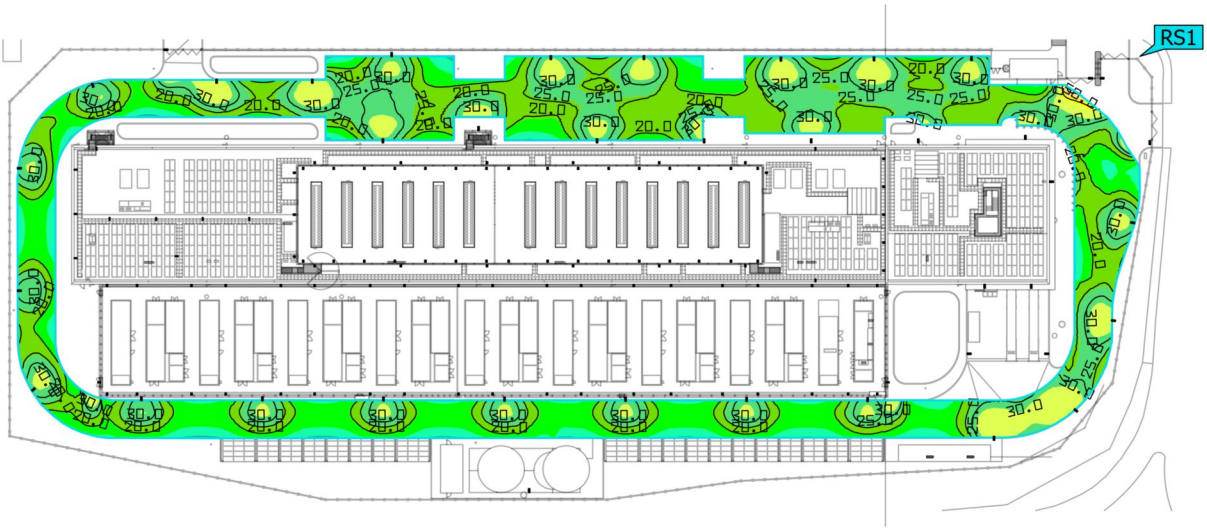
Walkway Rooftop Perpendicular illuminance Height: 9.300 m	39.8 lx	17.4 lx	166 lx	0.44	0.10	CG8

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

General Traffic Area



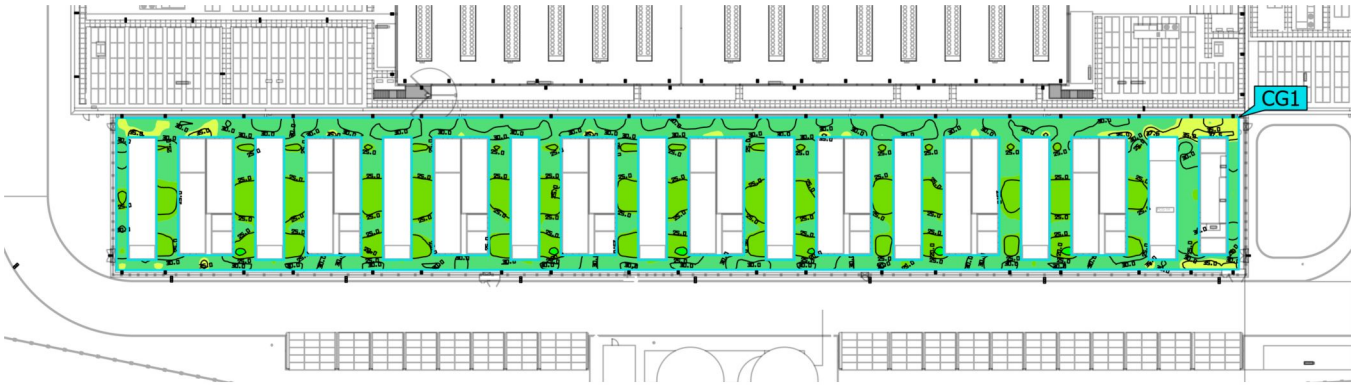


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
General Traffic Area Perpendicular illuminance (adaptive) Height: 0.000 m	24.5 lx	10.0 lx	74.4 lx	0.41	0.13	RS1

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Outdoor Technical Area

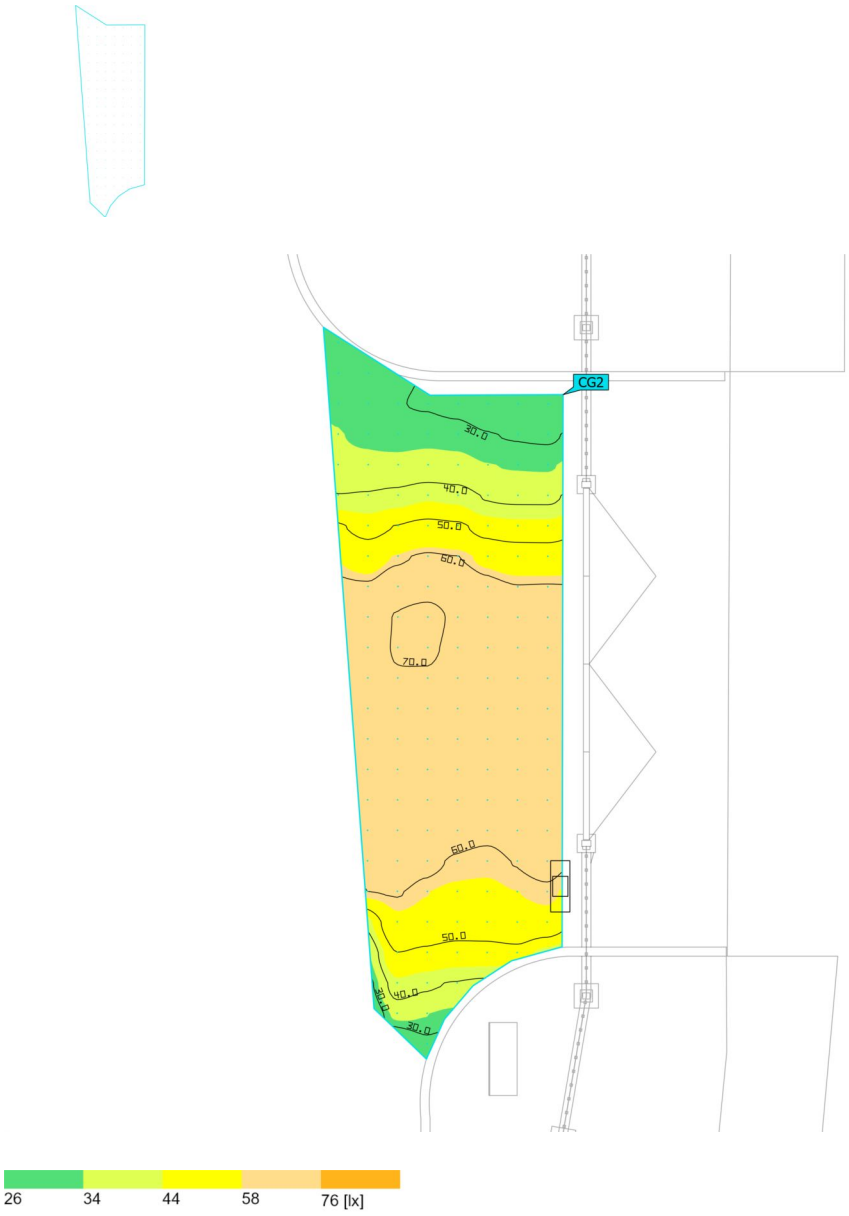


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Outdoor Technical Area Perpendicular illuminance Height: 0.000 m	27.9 lx	17.7 lx	39.3 lx	0.63	0.45	CG1

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Vehicle Gate 1

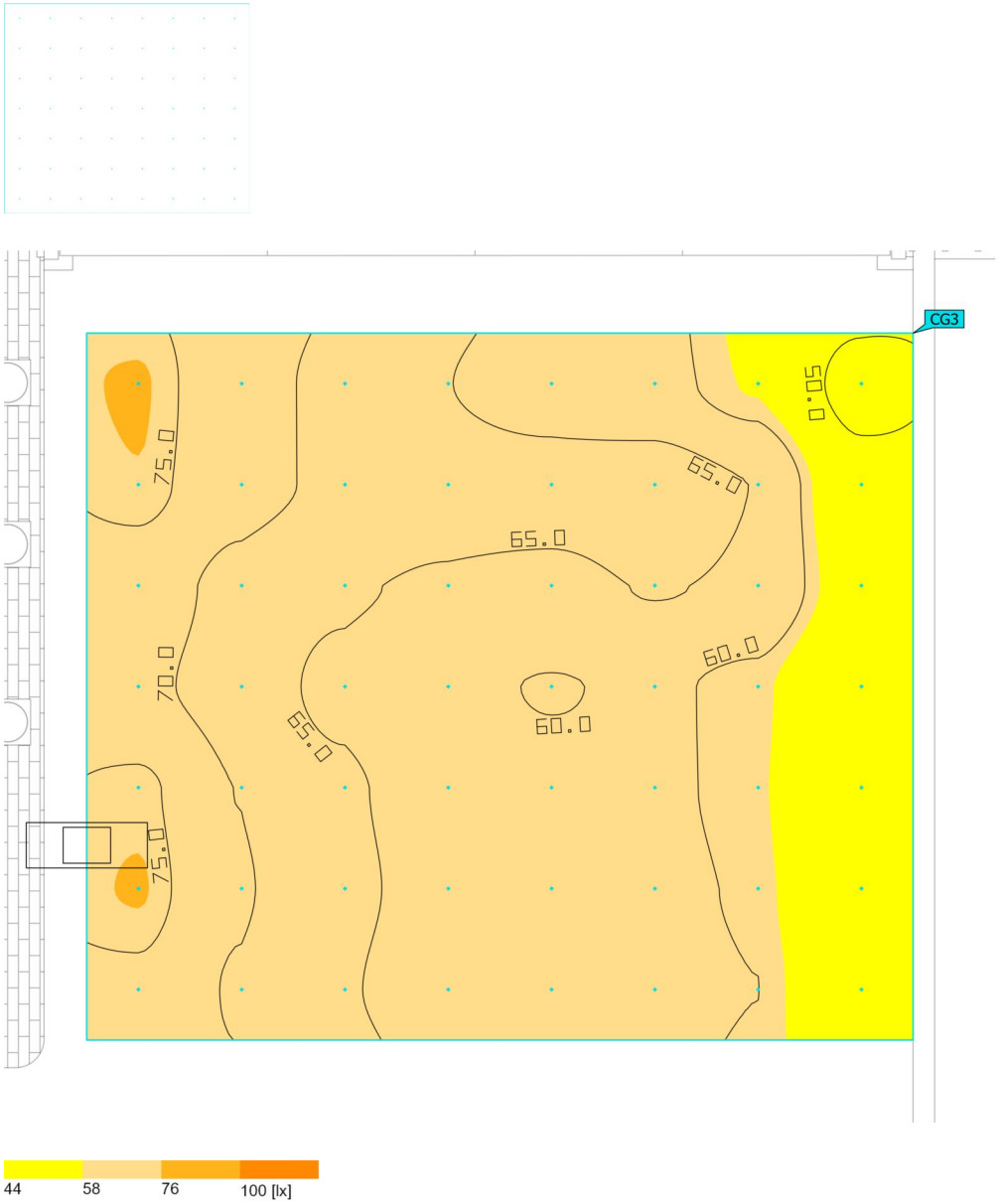


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Vehicle Gate 1 Perpendicular illuminance Height: 0.000 m	53.2 lx	26.3 lx	71.7 lx	0.49	0.37	CG2

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Vehicle Gate 2

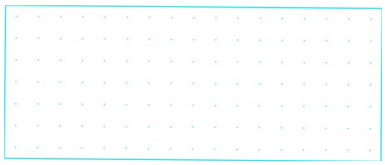


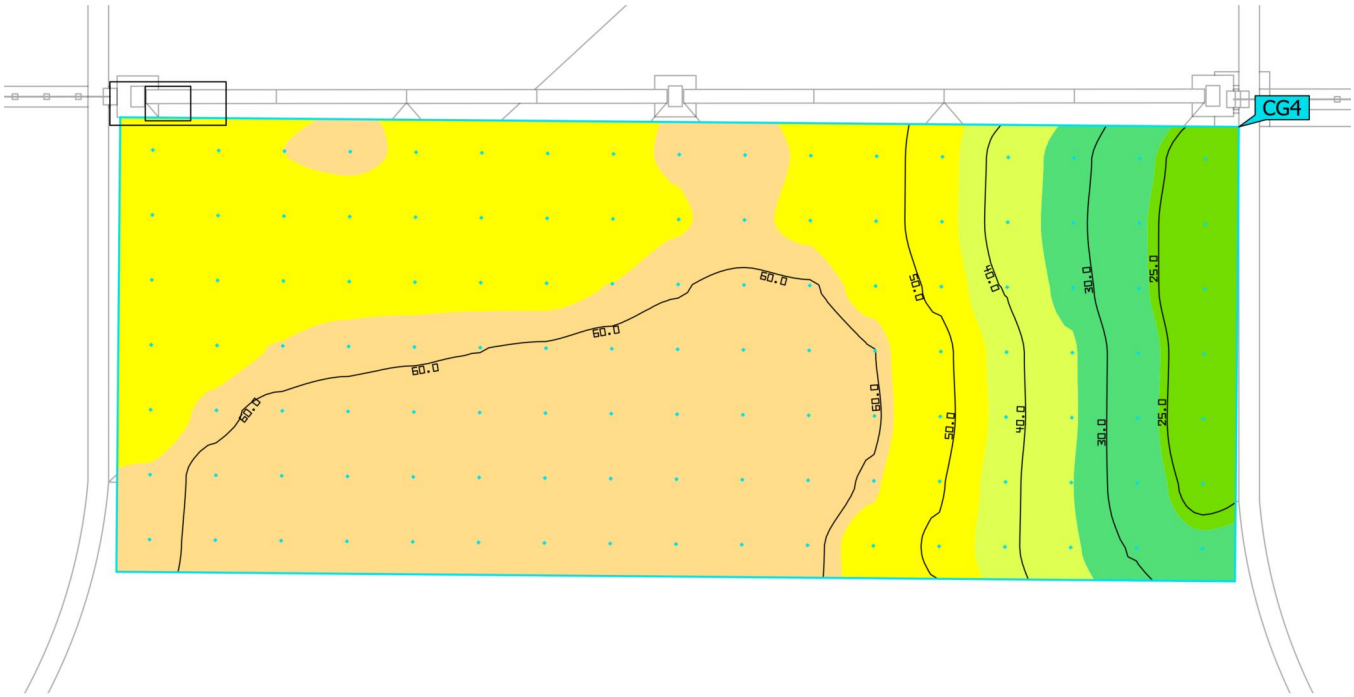
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Vehicle Gate 2 Perpendicular illuminance Height: 0.000 m	64.0 lx	47.5 lx	76.4 lx	0.74	0.62	CG3

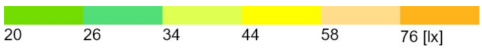
Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Vehicle Gate 3





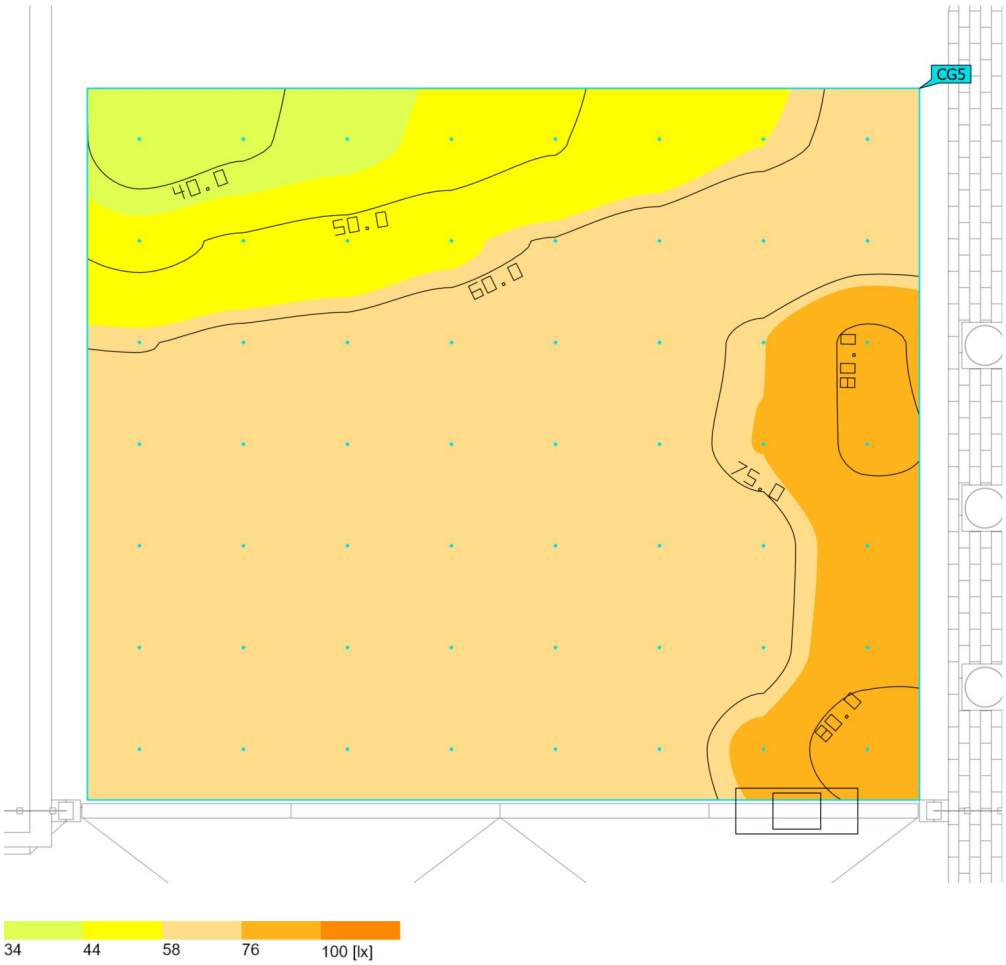


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Vehicle Gate 3 Perpendicular illuminance Height: 0.000 m	52.7 lx	22.5 lx	67.9 lx	0.43	0.33	CG4

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Vehicle Gate 2

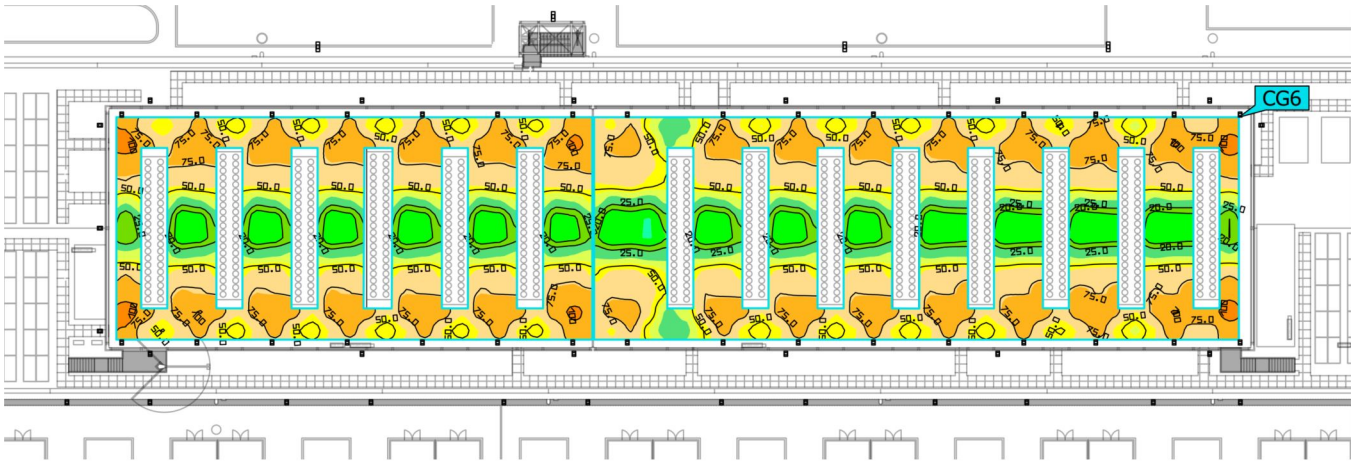


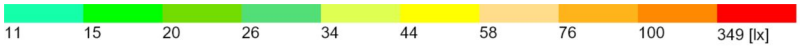
Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Vehicle Gate 2 Perpendicular illuminance Height: 0.000 m	64.8 lx	35.5 lx	82.4 lx	0.55	0.43	CG5

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Area Chiller



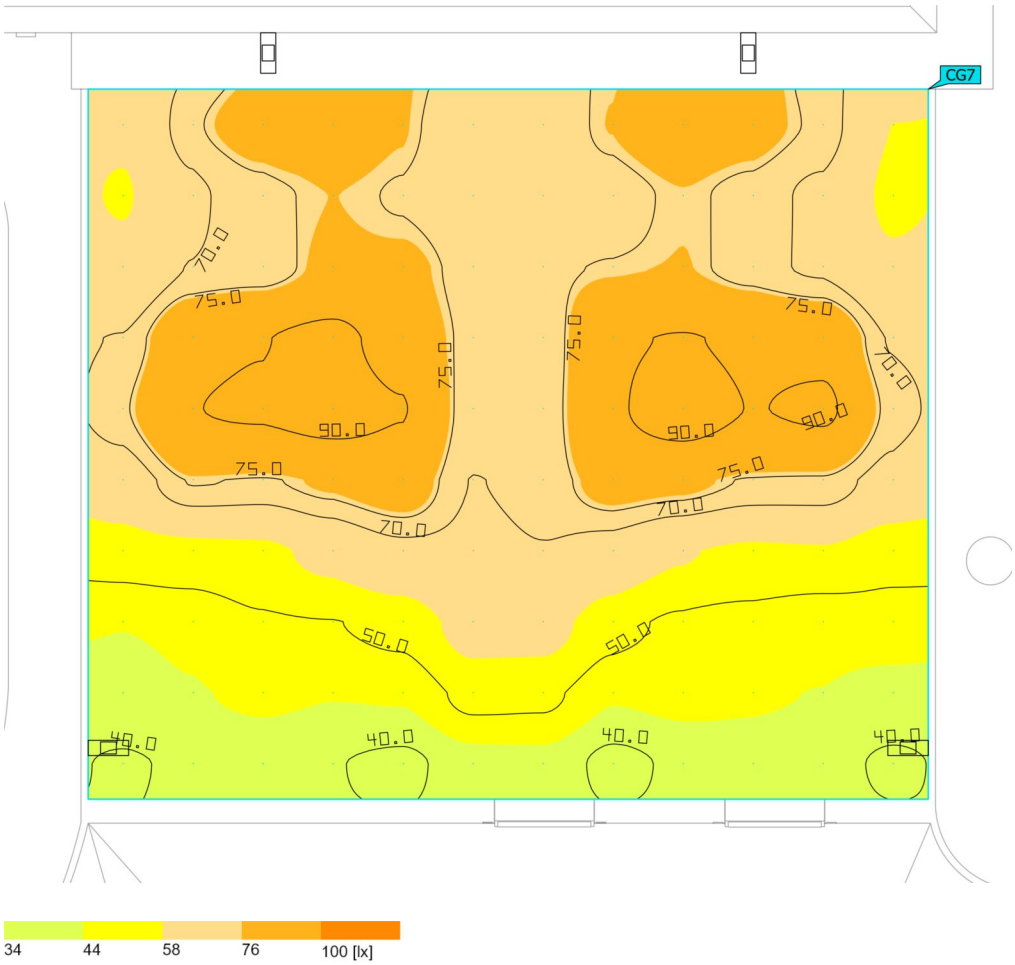


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Area Chiller Perpendicular illuminance Height: 10.040 m	58.8 lx	14.6 lx	114 lx	0.25	0.13	CG6

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Loading Bay

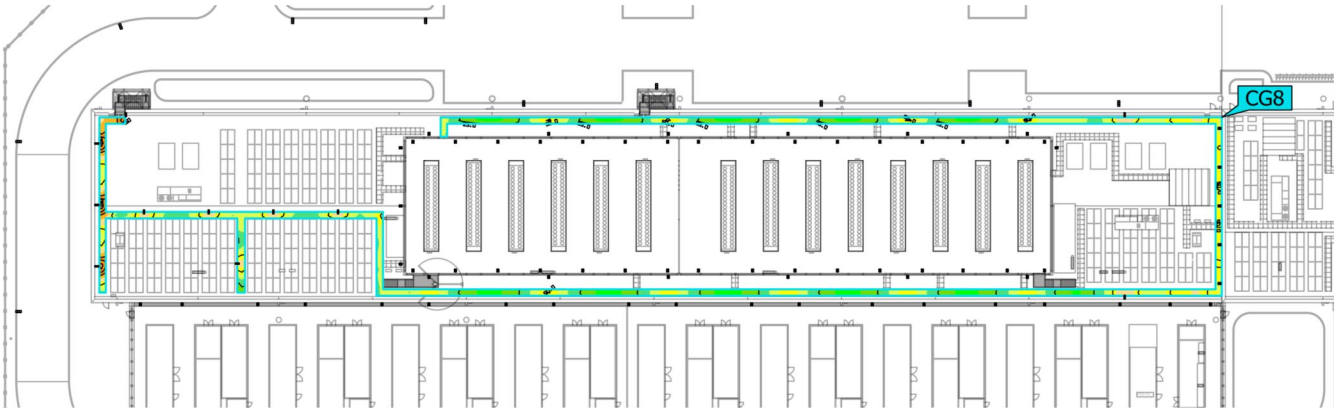


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Loading Bay Perpendicular illuminance Height: 0.000 m	65.3 lx	38.9 lx	95.6 lx	0.60	0.41	CG7

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Walkway Rooftop

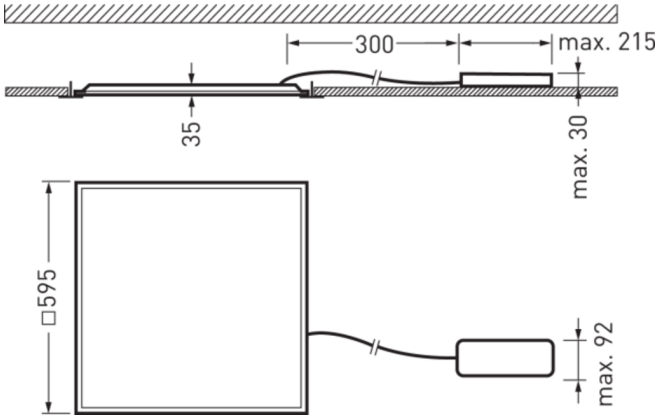


Properties	Ē	E_{min}	E_{max}	U_o (g_1)	g_2	Index
Walkway Rooftop Perpendicular illuminance Height: 9.300 m	39.8 lx	17.4 lx	166 lx	0.44	0.10	CG8

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

ValineoG4 M73 PW19 38-50/4ML-840 ETDD

TOC: 8423251



Product features and key data

Applications	Offices|Banks|Foyers|Sales rooms|Ticket halls|Exhibition rooms|Educational rooms	
Luminaire type	Recessed LED luminaire with microprismatic cover.	
Mounting method	Recessed	
Luminaire optic	Microprismatic cover of PMMA.	
Light distribution curve	Wide reduced glare UGR19 (W19)	
Light Engine	Level 1	Level 4
Colour temperature	4000 K	4000 K
Rated luminous flux	3800 lm	5000 lm
Connected load	21,00 W	29,00 W
Luminous efficacy	181 lm/W	172 lm/W
Rated service life	L80 (25 °C) = 70.000 h	
Colour rendering index	80	
Colour tolerance	3 SDCM	
Photobiological class	Group 0 - no risk	
Luminaire colour	RAL9016 Traffic white	
Luminaire body	Frame made of aluminium, rear luminaire body made of sheet steel.	
Electrical version	With external operating device, digitally dimmable (DALI)	
DALI-2-Standard EN 62386	Yes	
Connection method	Plug-in terminal	
Touch-Dim-capable	Yes	
Number of DALI addresses	1	
Dimming range	1 - 100 %	
Mains voltage	220 - 240 V	
Mains frequency	50/60 Hz	
Total harmonic distortion < %	14 %	
IFS label	Yes	
Protection rating	IP20	
Protection rating on room side	IP44	
Protection class	I	
Impact resistance (IK)	IK03	
Hot wire resistance	650 °C	
Ambient temperature	25 °C	
Max. Luminaires B10	18	
Max. Luminaires B16	28	
Max. Luminaires C10	27	
Max. Luminaires C16	42	
Net length	595 mm	
Net width	595 mm	
Net height	35 mm	
Recess depth	130 mm	

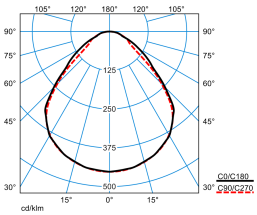
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Weight	2,1 kg

Light Engine Data

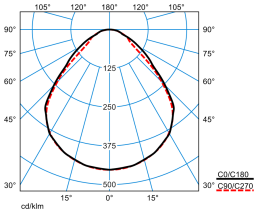
Light Engine	Color temperature	Rated light current	Power supply value Type	Luminous efficacy
Level 1	4000 K	3800 lm	21,00 W	181 lm/W
Level 2	4000 K	4300 lm	24,00 W	179 lm/W
Level 3	4000 K	4600 lm	26,00 W	177 lm/W
Level 4	4000 K	5000 lm	29,00 W	172 lm/W

light distribution curve



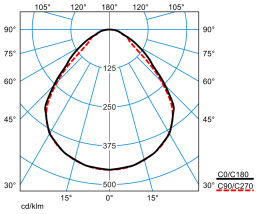
ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 1)

UGR I = 18,1
UGR q = 18,4
DIN 5040: A50
UTE: 1.00 C
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 60 88 97 100 100



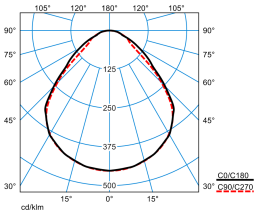
ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 2)

UGR I = 18,5
UGR q = 18,8
DIN 5040: A50
UTE: 1.00 C
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 60 88 97 100 100



ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 3)

UGR I = 18,8
UGR q = 19,1
DIN 5040: A50
UTE: 1.00 C
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 60 88 97 100 100



ValineoG4 M73 PW19 38-50/4ML-840 ETDD (stage 4)

UGR I = 19,1
UGR q = 19,4
DIN 5040: A50
UTE: 1.00 C
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 60 88 97 100 100

Available accessories

	Material	Description
	ZD6/M73 8459600	Surface-mounted frame for mounting recessed luminaires to ceilings Siella G8... M73 / Siella G9... M73 / Valineo G4... M73 / Valineo G5... M73. Colour white (similar to RAL 9016). Dimensions (L x W x H): 600 mm x 600 mm x 65 mm.

Offer text

Recessed LED luminaire with microprismatic cover. Version M73 (600 mm x 600mm). Fall protection wire not included in scope of delivery. Suitable for use in

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

HACCP, IFS and/or BRC Global Standard Food certified companies. Lay-in luminaire for ceilings with exposed grids. The luminaire is also suitable for surface-mounted installation with an accessory ordered separately.. Further information on mounting and fixing luminaires can be found in the mounting instructions. Microprismatic cover of PMMA. With symmetric limited wide light distribution. Glare evaluation according to UGR rating (EN 12464-1) < 19. Suitable for VDU workstations according to EN 12464-1 via limited luminance L ≤ 3000 cd/ ^{2} for beam angle above 65° all-round. Harmonious light effect due to homogeneously illuminated light emission. Luminaire luminous flux adjustable in 4 levels (Multilumen). Luminaire luminous flux 3800 lm - 5000 lm, connected load 21 W - 29 W, maximum luminous efficiency of luminaire 181 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 70,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Frame made of aluminium, rear luminaire body made of sheet steel. Surface coated white (similar to RAL 9016). Dimensions (L x W): 595 mm x 595 mm, luminaire height 35 mm. Protection rating on room side IP44. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK03, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Permissible ambient temperature (ta): 25 °C . Weight: 2,1 kg. With external operating device, digitally dimmable (DALI) Control gear unit according to DALI-2 standard (EN 62386). Luminaire is switchable and dimmable by means of touch functionality via DALI control terminals (Touch DIM). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Output ripple of the control gear unit ≤ 4 % for effective control of the LED system and for flicker-free light. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
B	S10315276A

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Amatris G4 C07 WR 14-26/3ML-840 ET 01

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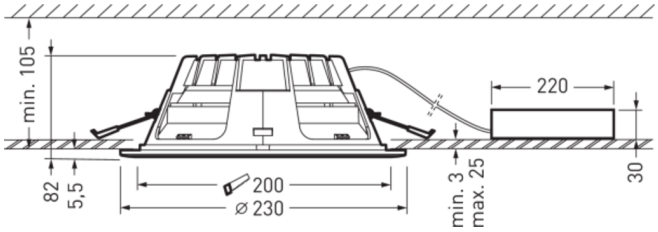


Product features and key data

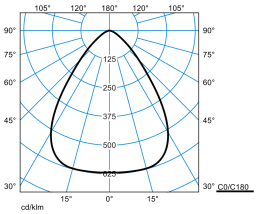
Applications	Sales rooms|Foyers|Corridors|Conference rooms|Hotels and restaurants|Residential areas	
Luminaire type	Round LED downlight with white reflector.	
Mounting method	Recessed	
Luminaire optic	With closed, prismatic PMMA diffuser. Reflector, coated white.	
Light distribution curve	Narrow (N)	
FWHM	77,20 °	
Light Engine	Level 1	Level 3
Colour temperature	4000 K	4000 K
Rated luminous flux	1400 lm	2600 lm
Connected load	11,50 W	20,00 W
Luminous efficacy	122 lm/W	130 lm/W
Rated service life	L80 (25 °C) = 50.000 h	
Colour rendering index	80	
Colour tolerance	3 SDCM	
Photobiological class	Group 0 - no risk	
Luminaire colour	RAL9016 Traffic white	
Luminaire body	Ceiling ring and heat sink made of die-cast aluminium.	
Electrical version	With electronic transformer, switchable.	
Connection method	Plug-in terminal	
Mains voltage	220 - 240 V	
Mains frequency	50/60 Hz	
Total harmonic distortion < %	10 %	
IFS label	Yes	
Protection rating	IP20	
Protection rating on room side	IP44	
Protection rating of lamp compartment	IP20	
Protection class	II	
Impact resistance (IK)	IK03	
Hot wire resistance	650 °C	
Ambient temperature	25 °C	
Max. Luminaires B10	17	
Max. Luminaires B16	27	
Max. Luminaires C10	28	
Max. Luminaires C16	45	
Net height	82 mm	
Outside diameter	230 mm	
Recess depth	105 mm	
Weight	0,8 kg	
Recessing diameter	200 mm	

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Light Engine Data

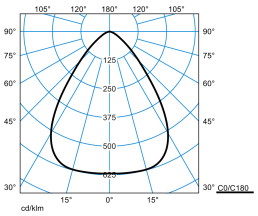
Light Engine	Color temperature	Rated light current	Power supply value Type	Luminous efficacy
Level 1	4000 K	1400 lm	11,50 W	122 lm/W
Level 2	4000 K	2000 lm	16,00 W	125 lm/W
Level 3	4000 K	2600 lm	20,00 W	130 lm/W

light distribution curve



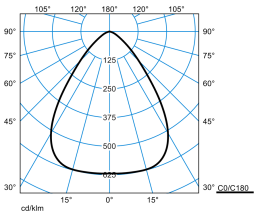
Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 0)

UGR I = 18,3
UGR q = 18,3
DIN 5040: A60
UTE: 1.00 B
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 77 96 100 100 100



Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 1)

UGR I = 19,5
UGR q = 19,5
DIN 5040: A60
UTE: 1.00 B
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 77 96 100 100 100



Amatris G4 C07 WR 14-26/3ML-840 ET 01 (stage 2)

UGR I = 20,5
UGR q = 20,5
DIN 5040: A60
UTE: 1.00 B
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 77 96 100 100 100

Available accessories

	Material	Description
	Amatris G4 C07 SP 280 01 8458500	Refurbishment panel for mounting in existing ceiling openings with unsuitable dimensions. For ceiling cut-outs Ø 240 mm - 280 mm.
	Amatris G4 C07 AI-PC IP54 8458700	Semi-specular PC diffuser with inner convex form.
	Amatris G4 C07 RK-PC 8459300	Semi-specular, conical, decorative PC ring. For Amatris C07 LED downlight G4.
	Amatris G4 C07 WR Refl 8460100	Replacement reflector for LED downlight Amatris G4 C07... .

Offer text

Round LED downlight with white reflector. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. Tool-free ceiling installation via rapid-mounting springs. With closed, prismatic PMMA diffuser. Reflector, coated white. With symmetric narrow light distribution. beam angle 77°. Luminaire luminous flux adjustable in 3 levels (Multilumen). Luminaire luminous flux 1400 lm - 2600 lm, connected load 11,5 W - 20 W, maximum luminous efficiency of luminaire 130 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Ceiling ring and heat sink made of die-cast aluminium. Ceiling ring powder-coated white (similar to RAL 9016). Including decorative ring for accommodating attachments. External dimensions of ceiling ring Ø 230 mm, luminaire

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

height 82 mm. Safety class (EN 61140): II, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK03, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Permissible ambient temperature (ta): 25 °C Weight: 0,8 kg. With electronic transformer, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Separate operating device with integral cable strain relief system. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

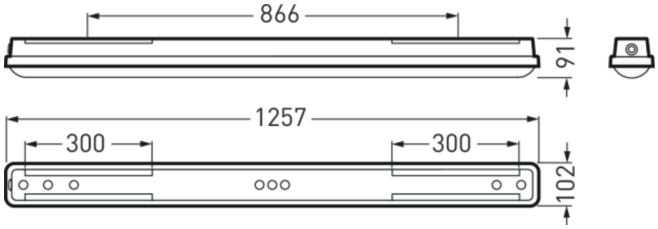
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	2835BX-R36-12S3P-886-4000K

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

OleveonF 12 B 4000-840 ET PC

TOC: 7118240

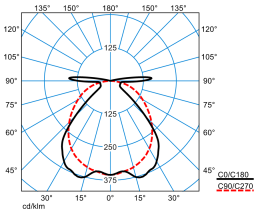


Product features and key data

Applications	Damp rooms|canopied outdoor areas
Luminaire type	Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser.
Mounting method	Suspension|Surface-mounting
Luminaire optic	Polycarbonate diffuser with inner prism structure.
Light distribution curve	Wide (W)
FWHM	89,60 °
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	3900 lm
Connected load	28,00 W
Luminous efficacy	139 lm/W
Rated service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire body made of recyclable, UV-resistant PC.
Electrical version	With electronic transformer, switchable.
Connection method	Plug-in terminal
Mains voltage	230 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
IFS label	Yes
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	850 °C
Ambient temperature	-20 - 35 °C
Net length	1.257 mm
Net width	102 mm
Net height	91 mm
Weight	2,2 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



OleveonF 12 B 4000-840 ET PC

UGR I = 23,5
UGR q = 18,9
DIN 5040: A40
UTE: 0.93 D + 0.07 T
DLOR: 93 %
ULOR: 7 %
CEN Flux Code: 56 85 95 93 100 0 0 11 7

Available accessories

	Material	Description
	ZBSB 1,0m 6923200	Steel strip suspension, 1 pair, rust-free, length 1.0 m, for weather-proof luminaires.
	Theft protection, set for 1 luminaire 6923300	Theft protection for LED surface-mounted weather-proof luminaire.
	ZBMC 6923400	Mounting accessories for Nextrema 4000-8... / Nextrema 6000-8... / Oleveon Fit / Aragon Fit. Bracket for suspended mounting.
	OleveonF ZLV/525/12 7129700	Through-wiring, 5-core.
	Wanne AragF/OleveonF 12 PC Ersatz 7129900	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.2 PC. Length 1252 mm, Width 97 mm, height 44 mm.
	Wanne AragF/OleveonF 12 PMMA Ersatz 7130000	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.2 PMMA. Length 1252 mm, Width 97 mm, height 44 mm.
	7650IP OleveonF L150 01 7342800	Gear tray for E-Line 7651 for integration of a weather-proof luminaire of type OleveonFit / AragonFit in a continuous line application (OleveonF 12... 1257 mm / AragonF 12...1257 mm). The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray. Colour white (similar to RAL 9016). Dimensions (L x W x H): 1474 mm x 79 mm x 60 mm.
	7650IP OleveonF L150 03 7342900	Gear tray for E-Line 7651 for integration of a weather-proof luminaire of type OleveonFit / AragonFit in a continuous line application (OleveonF 12... 1257 mm / AragonF 12...1257 mm). The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray. Colour silver gray (similar to RAL 9006). Dimensions (L x W x H): 1474 mm x 79 mm x 60 mm.
	7650IP OleveonF L150 05 7343000	Gear tray for E-Line 7651 for integration of a weather-proof luminaire of type OleveonFit / AragonFit in a continuous line application (OleveonF 12... 1257 mm / AragonF 12...1257 mm). The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray. Colour black (similar to RAL 9005). Dimensions (L x W x H): 1474 mm x 79 mm x 60 mm.
	ZBWM wall mounting accessory, 2 units 7425600	Pivotable mounting bracket for wall or ceiling mounting of LED weather-proof luminaires 1 set.

Offer text

Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. For ceiling, wall and suspended mounting. Ceiling mounting using included fixing clips. Suspended mounting possible via optional accessories. Polycarbonate diffuser with inner prism structure. With symmetric wide light intensity distribution. Luminaire luminous flux and light color fixed. Luminaire luminous flux 3900 lm, connected load 28 W, maximum luminous efficiency of luminaire 139 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire body made of recyclable, UV-resistant PC. Surface coated light grey (similar to RAL 7035). With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. Dimensions (L x W): 1257 mm x 102 mm, luminaire height 91 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. Permissible ambient temperature (ta): -20 °C to 35 °C. Weight: 2,2 kg. With 3-pole terminal to 2.5 mm^2 . With electronic transformer, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Accessories for the series:
For horizontal wall mounting of the luminaire it is mandatory to install the ZBATL accessory (theft protection). ZBATL2, TOC 69 23 300

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

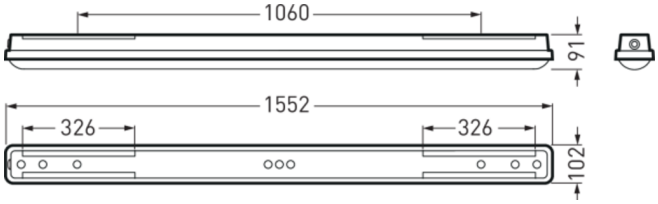
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	SI-B8T14B560EU
D	86002101-00
C	LMC-T-44-200-840-B01-L56W2
C	85403334

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

OleveonF 15 B 6000-840 ET PC

TOC: 7125040

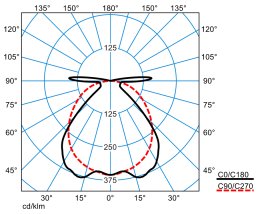


Product features and key data

Applications	Damp rooms|canopied outdoor areas
Luminaire type	Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser.
Mounting method	Suspension|Surface-mounting
Luminaire optic	Polycarbonate diffuser with inner prism structure.
Light distribution curve	Wide (W)
FWHM	89,60 °
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	6000 lm
Connected load	44,00 W
Luminous efficacy	136 lm/W
Rated service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire body made of recyclable, UV-resistant PC.
Electrical version	With electronic transformer, switchable.
Connection method	Plug-in terminal
Mains voltage	230 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
IFS label	Yes
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	850 °C
Ambient temperature	-20 - 35 °C
Net length	1.552 mm
Net width	102 mm
Net height	91 mm
Weight	2,6 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



OleveonF 15 B 6000-840 ET PC

UGR I = 24,3
UGR q = 19,6
DIN 5040: A40
UTE: 0.93 D + 0.07 T
DLOR: 93 %
ULOR: 7 %
CEN Flux Code: 56 85 95 93 100 0 0 11 7

Available accessories

	Material	Description
	ZBSB 1,0m 6923200	Steel strip suspension, 1 pair, rust-free, length 1.0 m, for weather-proof luminaires.
	Theft protection, set for 1 luminaire 6923300	Theft protection for LED surface-mounted weather-proof luminaire.
	ZBMC 6923400	Mounting accessories for Nextrema 4000-8... / Nextrema 6000-8... / Oleveon Fit / Aragon Fit. Bracket for suspended mounting.
	OleveonF ZLV/525/15 7129800	Through-wiring, 5-core.
	Wanne AragF/OleveonF 15 PC Ersatz 7130100	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.5 PC. Length 1546 mm, Width 97 mm, height 44 mm.
	Wanne AragF/OleveonF 15 PMMA Ersatz 7130200	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.5 PMMA. Length 1546 mm, Width 97 mm, height 44 mm.
	ZBWM wall mounting accessory, 2 units 7425600	Pivotable mounting bracket for wall or ceiling mounting of LED weather-proof luminaires 1 set.

Offer text

Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. For ceiling, wall and suspended mounting. Ceiling mounting using included fixing clips. Suspended mounting possible via optional accessories. Polycarbonate diffuser with inner prism structure. With symmetric wide light intensity distribution. Luminaire luminous flux and light color fixed. Luminaire luminous flux 6000 lm, connected load 44 W, maximum luminous efficiency of luminaire 136 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire body made of recyclable, UV-resistant PC. Surface coated light grey (similar to RAL 7035). With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. Dimensions (L x W): 1552 mm x 102 mm, luminaire height 91 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. Permissible ambient temperature (ta): -20 °C to 35 °C. Weight: 2,6 kg. With 3-pole terminal to 2.5 mm^2 . With electronic transformer, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Accessories for the series:
For horizontal wall mounting of the luminaire it is mandatory to install the ZBATL accessory (theft protection). ZBATL2, TOC 69 23 300

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	SI-B8T14B560EU
D	86002101-00
D	SI-B8T07B280EU
D	86002129-00
C	LMC-T-44-200-840-B01-L56W2

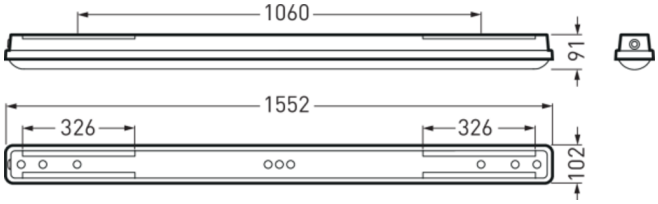
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

C	85403334
C	LMC-T-22-110-840-B01-L28W2
C	85403306

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

OleveonF 15 B 6000-840 ETDD PC

TOC: 7125051

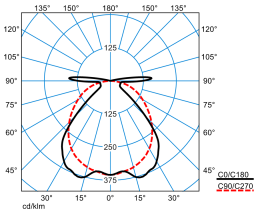


Product features and key data

Applications	Damp rooms|canopied outdoor areas
Luminaire type	Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser.
Mounting method	Suspension|Surface-mounting
Luminaire optic	Polycarbonate diffuser with inner prism structure.
Light distribution curve	Wide (W)
FWHM	89,60 °
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	6000 lm
Connected load	44,00 W
Luminous efficacy	136 lm/W
Rated service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire body made of recyclable, UV-resistant PC.
Electrical version	With electronic transformer, digitally dimmable (DALI).
DALI-2-Standard EN 62386	Yes
Connection method	Plug-in terminal
Touch-Dim-capable	Yes
Monitoring Ready	Yes
Mains voltage	230 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
IFS label	Yes
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	850 °C
Ambient temperature	-20 - 35 °C
Net length	1.552 mm
Net width	102 mm
Net height	91 mm
Weight	2,7 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



OleveonF 15 B 6000-840 ETDD PC

UGR I = 24,3
UGR q = 19,6
DIN 5040: A40
UTE: 0.93 D + 0.07 T
DLOR: 93 %
ULOR: 7 %
CEN Flux Code: 56 85 95 93 100 0 0 11 7

Available accessories

	Material	Description
	ZBSB 1,0m 6923200	Steel strip suspension, 1 pair, rust-free, length 1.0 m, for weather-proof luminaires.
	Theft protection, set for 1 luminaire 6923300	Theft protection for LED surface-mounted weather-proof luminaire.
	ZBMC 6923400	Mounting accessories for Nextrema 4000-8... / Nextrema 6000-8... / Oleveon Fit / Aragon Fit. Bracket for suspended mounting.
	OleveonF ZLV/525/15 7129800	Through-wiring, 5-core.
	Wanne AragF/OleveonF 15 PC Ersatz 7130100	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.5 PC. Length 1546 mm, Width 97 mm, height 44 mm.
	Wanne AragF/OleveonF 15 PMMA Ersatz 7130200	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.5 PMMA. Length 1546 mm, Width 97 mm, height 44 mm.
	ZBWM wall mounting accessory, 2 units 7425600	Pivotable mounting bracket for wall or ceiling mounting of LED weather-proof luminaires 1 set.

Offer text

Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. For ceiling, wall and suspended mounting. Ceiling mounting using included fixing clips. Suspended mounting possible via optional accessories. Polycarbonate diffuser with inner prism structure. With symmetric wide light intensity distribution. Luminaire luminous flux and light color fixed. Luminaire luminous flux 6000 lm, connected load 44 W, maximum luminous efficiency of luminaire 136 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire body made of recyclable, UV-resistant PC. Surface coated light grey (similar to RAL 7035). With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. Dimensions (L x W): 1552 mm x 102 mm, luminaire height 91 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. Permissible ambient temperature (ta): -20 °C to 35 °C. Weight: 2,7 kg. With 5-pole terminal to 2.5 mm^2 . With electronic transformer, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). Luminaire is switchable and dimmable by means of touch functionality via DALI control terminals (Touch DIM). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is monitoring-ready (MOR), supplies luminaire data for monitoring or for predictive maintenance and is therefore compatible to the TRILUX Monitoring Services. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Accessories for the series:
For horizontal wall mounting of the luminaire it is mandatory to install the ZBATL accessory (theft protection). ZBATL2, TOC 69 23 300

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	SI-B8T14B560EU
D	86002101-00
D	SI-B8T07B280EU

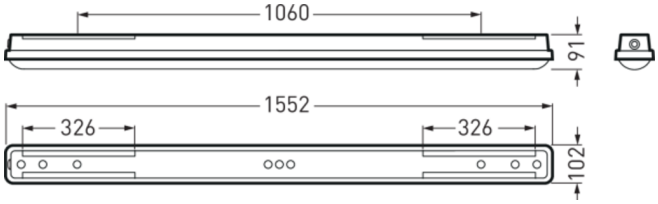
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

D	86002129-00
C	LMC-T-44-200-840-B01-L56W2
C	85403334
C	LMC-T-22-110-840-B01-L28W2
C	85403306

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

OleveonF 15 B 8000-840 ET PC

TOC: 7128640

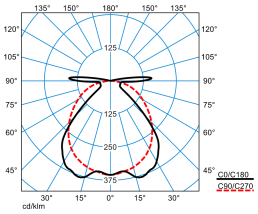


Product features and key data

Applications	Damp rooms|canopied outdoor areas
Luminaire type	Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser.
Mounting method	Suspension|Surface-mounting
Luminaire optic	Polycarbonate diffuser with inner prism structure.
Light distribution curve	Wide (W)
FWHM	89,60 °
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	7700 lm
Connected load	57,00 W
Luminous efficacy	135 lm/W
Rated service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 1 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire body made of recyclable, UV-resistant PC.
Electrical version	With electronic transformer, switchable.
Connection method	Plug-in terminal
Mains voltage	230 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
IFS label	Yes
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	850 °C
Ambient temperature	-20 - 35 °C
Net length	1.552 mm
Net width	102 mm
Net height	91 mm
Weight	2,6 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



OleveonF 15 B 8000-840 ET PC

UGR I = 25,2
UGR q = 20,5
DIN 5040: A40
UTE: 0.93 D + 0.07 T
DLOR: 93 %
ULOR: 7 %
CEN Flux Code: 56 85 95 93 100 0 0 11 7

Available accessories

	Material	Description
	ZBSB 1,0m 6923200	Steel strip suspension, 1 pair, rust-free, length 1.0 m, for weather-proof luminaires.
	Theft protection, set for 1 luminaire 6923300	Theft protection for LED surface-mounted weather-proof luminaire.
	ZBMC 6923400	Mounting accessories for Nextrema 4000-8... / Nextrema 6000-8... / Oleveon Fit / Aragon Fit. Bracket for suspended mounting.
	OleveonF ZLV/525/15 7129800	Through-wiring, 5-core.
	Wanne AragF/OleveonF 15 PC Ersatz 7130100	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.5 PC. Length 1546 mm, Width 97 mm, height 44 mm.
	Wanne AragF/OleveonF 15 PMMA Ersatz 7130200	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.5 PMMA. Length 1546 mm, Width 97 mm, height 44 mm.
	ZBWM wall mounting accessory, 2 units 7425600	Pivotable mounting bracket for wall or ceiling mounting of LED weather-proof luminaires 1 set.

Offer text

Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. For ceiling, wall and suspended mounting. Ceiling mounting using included fixing clips. Suspended mounting possible via optional accessories. Polycarbonate diffuser with inner prism structure. With symmetric wide light intensity distribution. Luminaire luminous flux and light color fixed. Luminaire luminous flux 7700 lm, connected load 57 W, maximum luminous efficiency of luminaire 135 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire body made of recyclable, UV-resistant PC. Surface coated light grey (similar to RAL 7035). With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. Dimensions (L x W): 1552 mm x 102 mm, luminaire height 91 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. Permissible ambient temperature (ta): -20 °C to 35 °C. Weight: 2,6 kg. With 3-pole terminal to 2.5 mm^2 . With electronic transformer, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Accessories for the series:
For horizontal wall mounting of the luminaire it is mandatory to install the ZBATL accessory (theft protection). ZBATL2, TOC 69 23 300

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	SI-B8T15B56CEU
C	SI-B8T07B28CEU
B	LMC-A-22-110-840-B01-L28W2-C
B	85403259
B	LMC-A-44-220-840-B01-L56W2-C

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

B	85403263

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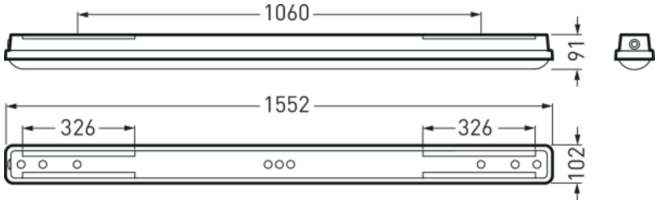
OleveonF 15 B 8000-840 ETDD PC

TOC: 7128651



Product features and key data

Applications	Damp rooms|canopied outdoor areas
Luminaire type	Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser.
Mounting method	Suspension|Surface-mounting
Luminaire optic	Polycarbonate diffuser with inner prism structure.
Light distribution curve	Wide (W)
FWHM	89,60 °
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	7700 lm
Connected load	57,00 W
Luminous efficacy	135 lm/W
Rated service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 1 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire body made of recyclable, UV-resistant PC.
Electrical version	With electronic transformer, digitally dimmable (DALI).
DALI-2-Standard EN 62386	Yes
Connection method	Plug-in terminal
Touch-Dim-capable	Yes
Monitoring Ready	Yes
Mains voltage	230 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
IFS label	Yes
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	850 °C
Ambient temperature	-20 - 35 °C
Net length	1.552 mm
Net width	102 mm
Net height	91 mm
Weight	2,7 kg

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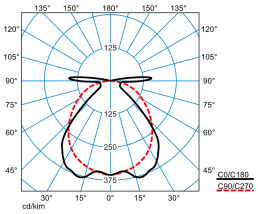
light distribution curve



OleveonF 15 B 8000-840 ETDD PC

UGR I = 25,2
UGR q = 20,5
DIN 5040: A40
UTE: 0.93 D + 0.07 T
DLOR: 93 %
ULOR: 7 %
CEN Flux Code: 56 85 95 93 100 0 0 11 7

Available accessories

	Material	Description
	ZBSB 1,0m 6923200	Steel strip suspension, 1 pair, rust-free, length 1.0 m, for weather-proof luminaires.
	Theft protection, set for 1 luminaire 6923300	Theft protection for LED surface-mounted weather-proof luminaire.
	ZBMC 6923400	Mounting accessories for Nextrema 4000-8... / Nextrema 6000-8... / Oleveon Fit / Aragon Fit. Bracket for suspended mounting.
	OleveonF ZLV/525/15 7129800	Through-wiring, 5-core.
	Wanne AragF/OleveonF 15 PC Ersatz 7130100	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.5 PC. Length 1546 mm, Width 97 mm, height 44 mm.
	Wanne AragF/OleveonF 15 PMMA Ersatz 7130200	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.5 PMMA. Length 1546 mm, Width 97 mm, height 44 mm.
	ZBWM wall mounting accessory, 2 units 7425600	Pivotable mounting bracket for wall or ceiling mounting of LED weather-proof luminaires 1 set.

Offer text

Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. For ceiling, wall and suspended mounting. Ceiling mounting using included fixing clips. Suspended mounting possible via optional accessories. Polycarbonate diffuser with inner prism structure. With symmetric wide light intensity distribution. Luminaire luminous flux and light color fixed. Luminaire luminous flux 7700 lm, connected load 57 W, maximum luminous efficiency of luminaire 135 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire body made of recyclable, UV-resistant PC. Surface coated light grey (similar to RAL 7035). With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. Dimensions (L x W): 1552 mm x 102 mm, luminaire height 91 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. Permissible ambient temperature (ta): -20 °C to 35 °C. Weight: 2,7 kg. With 5-pole terminal to 2.5 mm^2 . With electronic transformer, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). Luminaire is switchable and dimmable by means of touch functionality via DALI control terminals (Touch DIM). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is monitoring-ready (MOR), supplies luminaire data for monitoring or for predictive maintenance and is therefore compatible to the TRILUX Monitoring Services. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Accessories for the series:
For horizontal wall mounting of the luminaire it is mandatory to install the ZBATL accessory (theft protection). ZBATL2, TOC 69 23 300

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

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Energy Efficiency Class	Model identifier
C	SI-B8T15B56CEU
C	SI-B8T07B28CEU
B	LMC-A-22-110-840-B01-L28W2-C

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B	85403259
B	LMC-A-44-220-840-B01-L56W2-C
B	85403263

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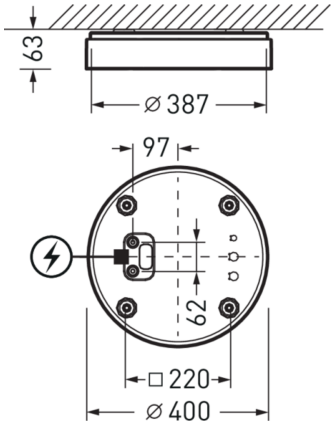
Olisq RWD2 DW 40-840 ET IP54

TOC: 8204040



Product features and key data

Luminaire type	Decorative, round surface-mounted luminaire with opal, cylindrical diffuser made of PMMA.
Mounting method	Surface-mounting
Luminaire optic	The material and structure of the covering diffuser provide uniform and shadow-free illumination of the easy-to-clean luminaire surface.
Light distribution curve	Lambertian (L)
FWHM	118,80 °
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	4000 lm
Connected load	29,00 W
Luminous efficacy	138 lm/W
Rated service life	L80 (25 °C) = 100.000 h L90 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL9016 Traffic white
Luminaire body	Luminaire body sheet steel.
Electrical version	With electronic control gear unit, switchable.
Connection method	Plug-in terminal
Mains voltage	220 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
Protection rating	IP54
Protection class	I
Impact resistance (IK)	IK03
Hot wire resistance	650 °C
Ambient temperature	25 °C
Max. Luminaires B10	14
Max. Luminaires B16	24
Max. Luminaires C10	24
Max. Luminaires C16	40
Net height	68 mm
Outside diameter	400 mm
Weight	2,1 kg

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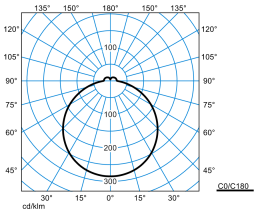
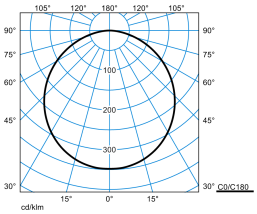
light distribution curve



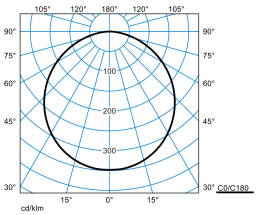
Olisq RWD2 DW 40-840 ET IP54

UGR I = 22,9
UGR q = 22,9
DIN 5040: B40
UTE: 0.90 E + 0.10 T
DLOR: 90 %
ULOR: 10 %
CEN Flux Code: 44 74 93 90 100 17 42 70 10



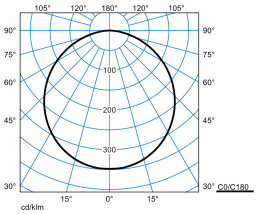
Olisq RWD2 DW 40-840 ET IP54 + Olisq RWD2 ZDR 1/1 03

UGR I = 24,2
UGR q = 24,2
DIN 5040: A40
UTE: 1.00 E
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 47 79 96 100 100 0 0 0 0



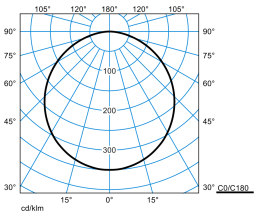
Olisq RWD2 DW 40-840 ET IP54 + Olisq RWD2 ZDR 1/1 01

UGR I = 24,2
UGR q = 24,2
DIN 5040: A40
UTE: 1.00 E
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 47 79 96 100 100 0 0 0 0



Olisq RWD2 DW 40-840 ET IP54 + Olisq RWD2 ZDR 1/1 05

UGR I = 24,2
UGR q = 24,2
DIN 5040: A40
UTE: 1.00 E
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 47 79 96 100 100 0 0 0 0



Olisq RWD2 DW 40-840 ET IP54 + Olisq RWD2 ZVF 05

UGR I = 24,7
UGR q = 24,7
DIN 5040: A40
UTE: 1.00 E
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 47 79 96 100 100 0 0 0 0

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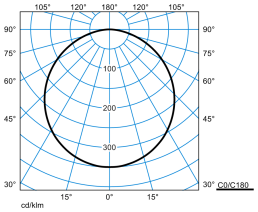

Olisq RWD2 DW 40-840 ET IP54 + Olisq RWD2 ZVF 03

UGR I = 24,7
UGR q = 24,7
DIN 5040: A40
UTE: 1.00 E
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 47 79 96 100 100 0 0 0 0

Available accessories

	Material	Description
	ZSG 40 Vacuum Plug 2930500	Removal aid for glass covers or diffusers.
	Olisq RWD2 ZS DB 3075/1500 8224200	3-point wire suspension set. For luminaires from series Olisq RWD2... ET.
	Olisq RWD2 ZS DB 3075/3000 8224300	3-point wire suspension set. For luminaires from series Olisq RWD2... ET.
	Olisq RWD2 C 01 8225500	Semi-recessed housing for round surface-mounted luminaire Olisq RWD2... .
	Olisq RWD2 ZVF 01 8225900	Sheathing made of sheet steel. For luminaires from series Olisq RWD2... . Powder-coated surface, colour white. Other (RAL) colours on request.
	Olisq RWD2 ZDR 1/1 01 8226200	Decorative attachment made of sheet steel. For covering the complete side surface. For luminaires from series Olisq RWD2... . Powder-coated surface, colour white.
	Olisq RWD2 ZDR 1/2 01 8226600	Decorative attachment made of sheet steel. For covering half the side surface. For luminaires from series Olisq RWD2... . Powder-coated surface, colour white.
	Wanne Olisq RWD2 Ersatz 8227100	Replacement diffuser for Wall and ceiling surface-mounted luminaires Olisq RWD2... . Outer diameter Ø 400 mm, height 58,5 mm.
	Wanne Olisq RWD2 PC Ersatz 8227200	Replacement diffuser for Wall and ceiling surface-mounted luminaires Olisq RWD2... . Outer diameter Ø 400 mm, height 58,5 mm.
	LEDM Olisq 360-830-01/R350 Ersatz 8228200	LED replacement module for luminaires of series Olisq RWD2.. ...-830.
	LEDM Olisq 360-840-01/R350 Ersatz 8228300	LED replacement module for luminaires of series Olisq RWD2... ...-840.
	Olisq RWD2 ZVF 03 8269100	Sheathing made of sheet steel. For luminaires from series Olisq RWD2... . Powder-coated surface, colour silver-grey. Other (RAL) colours on request.
	Olisq RWD2 ZVF 05 8269400	Sheathing made of sheet steel. For luminaires from series Olisq RWD2... . Powder-coated surface, colour black. Other (RAL) colours on request.
	Olisq RWD2 ZDR 1/1 03 8269700	Decorative attachment made of sheet steel. For covering the complete side surface. For luminaires from series Olisq RWD2... . Powder-coated surface, colour silver-grey.
	Olisq RWD2 ZDR 1/1 05 8270700	Decorative attachment made of sheet steel. For covering the complete side surface. For luminaires from series Olisq RWD2... . Powder-coated surface, colour black.
	Olisq RWD2 ZDR 1/2 03 8269900	Decorative attachment made of sheet steel. For covering half the side surface. For luminaires from series Olisq RWD2... . Powder-coated surface, colour silver-grey.

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Olisq RWD2 ZDR 1/2 05
8270300

Decorative attachment made of sheet steel. For covering half the side surface. For luminaires from series Olisq RWD2... . Powder-coated surface, colour black.

Distanzstück Opendo D / 3331 D 01
8443700

Spacer for surface-mounted luminaires. Construction height 18 mm. Colour white.

Offer text

Decorative, round surface-mounted luminaire with opal, cylindrical diffuser made of PMMA. Version with increased IP54 protection rating all round. Decorative attachments are available as optional accessories for precisely suitable light- and room scenes; these can also be implemented in custom colours on request. Developed and made in Germany. The luminaire is protected against vandalism in combination with the separately ordered accessory (ZVF...), and, when mounted to ceilings, is ball-proof in accordance with DIN 18032-3. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. For wall or ceiling mounting. With accessories to be ordered separately, also suitable for semi-recessed mounting (ceiling with cut-out) and suspended mounting. For protection as well as to assist with quick mounting, the components are arranged in the box in assembly order. The cover is quickly mounted on the mounting body without tools by click locking. The feed opening and fixing points mainly correspond to those of the series 740N, Mondia. The material and structure of the covering diffuser provide uniform and shadow-free illumination of the easy-to-clean luminaire surface. With Lambertian light distribution. With slight indirect component for surface illumination. Luminaire luminous flux and light color fixed. Luminaire luminous flux 4000 lm, connected load 29 W, maximum luminous efficiency of luminaire 138 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 100,000 h., Mean rated service life L90 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Replacement is without tools, the replacement light source can be obtained as a spare part. Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire body sheet steel. Surface coated white (similar to RAL 9016). Luminaire diameter Ø 400 mm, luminaire height 68 mm. Insect-proof lamp compartment. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP54, impact resistance level in accordance with IEC 62262: IK03, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Permissible ambient temperature (ta): 25 °C Weight: 2,1 kg. With electronic control gear unit, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. Luminaire available for 10 years, spare parts (LED module, control gear unit, optical system) for 15 years from date of invoice, subject to reasonable modifications in the interests of progress.

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	SI-N8T281EB0EU
D	85401833-00

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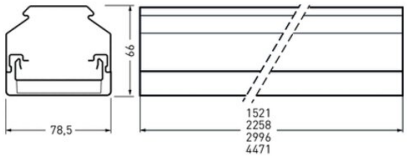
7651HE LW130-840ETDD L225 03

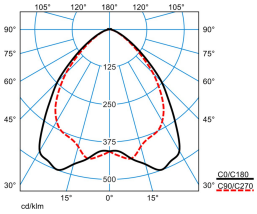
TOC: 9002122754



Product features and key data

Mounting method	Surface-mounting|Suspension
Power supply value	68 W
Power factor	0,95
Colour temperature	4000 K
Rated light current	13.000 lm
Luminous efficiency	191 lm/W
Interchangeability lightsource	Yes - interchangeable
Operating efficiency	1
Colour rendering indx	80
Service life	70000 hours
Colour	RAL9006 White aluminium
Switching type	Electr trnsfmr DALI DIM(ETDD)
Connection	Connection terminal
Rated frequency	50/60 Hz
Protection rating	IP20
Protection ratg lamp compartmt	IP20
Protection class	I
Impact resistance	IK03
Glow wire resistance	650 °C
Net length	2.211 mm
Net width	62 mm
Net height	50 mm
Weight	1,8 kg

light distribution curve



ELINE HE LW130 840 L225 1 64

DIN 5040 = A50
UGR I = 21,9
UGR q = 21,6
UTE = 0.99 C + 0.01 T
CEN flux code = 65 92 99 99 100 0 8 50 1

Offer text

LED gear tray for continuous line system E-Line 7651. Version for use in applications with high requirements for temperature resistance, luminaire efficiency and service life of the continuous line. Compliant to DIN 10500. The luminaires are suitable for applications in HACCP, IFS and/or BRC Global Standard Food -certified companies in the food and beverage industries. For combining with E-Line 07650... trunking. Mounting to trunking with tool-free stainless steel snap fasteners. Correct mounting of the gear tray with the trunking is confirmed by a snap-in noise. The transparent mounting elements made of UV-stabilised PC can be removed after successful installation, thus ensuring theft and disassembly protection. Due to the design, the harmonious appearance of the lighting system is also

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guaranteed when various optical systems are combined within a continuous line system. Light distribution characteristic: wide, Beam spread C0: 89°, Beam spread C90: 88°, Main beam angle: +/- 20°. The optical system consists of a PMMA lens optic with three matched, photometrically effective sections and thus ensures uniform light distribution and homogeneous illumination. The flat surface makes cleaning the luminaire easier. Particularly suitable for wide-area illumination. The light distribution characteristic of the gear tray is determined by the lens concept and requires no further components. Recommended installation height: 4 - 8 m. With three LED modules (3 x 96 LED). Light generation is free of infrared (IR) and ultraviolet (UV) components. The luminaire luminous flux of the gear tray is electronically parameterised in the production process according to customer requirements. Parameterised luminaire luminous flux of the gear tray: 13.000 lm. connected load 68 W, luminous efficiency of luminaire 191 lm/W. General Colour rendering index (CRI) > 80, correlated colour temperature (CCT) 4000 K. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80(tq &1 °C) = 70.000 h. Gear tray of sheet steel, coated silver-grey (similar to RAL9006). Length of the gear tray 2.211 mm. Permissible ambient temperature (ta) -25 °C to &2 °C. protection rating (DIN EN 60529):IP64 Safety class (EN 61140): I. impact resistance level in accordance with IEC 62262: IK03, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Self-actuating electrical connection via plug contacts with phase selection. Phase selection is without use of tools. With mechanical misassembly protection. With electronic transformer, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). The product complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. A special online tool is available for the simple and fast planning and configuration process of the application. The resource-optimised packaging concept of the continuous-row components simplifies installation and protects the environment. The luminaire is also ENEC-certified by an independent testing authority. With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
B	85402980
B	LMC-V-96-700-840-B01-L72W2-C

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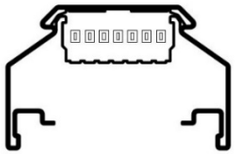
E-LINE NEXT FIX IP64

Modular system composed of a supporting profile and an LED base with lens optics with different beam angles.

Quick, easy, and intuitive assembly.
Once the supporting rails are attached, the cable trays are simply snapped into place with a spring-loaded latch, without the need for tools.

The IP64 version is also suitable for use in all environments with high safety requirements or subject to difficult conditions.

The IP64 system consists of an IP64-rated support profile, an IP20 LED base, a transparent cover for additional protection, and IP64 end caps that ensure system insulation.
Any continuous-row installations must also include IP64 joints between one support profile and the next.



Section of the IP64 support profile

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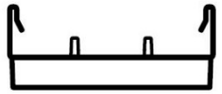
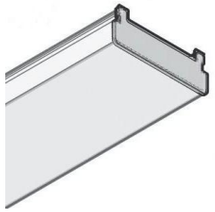


Section of the IP20 LED base with lens optics

+

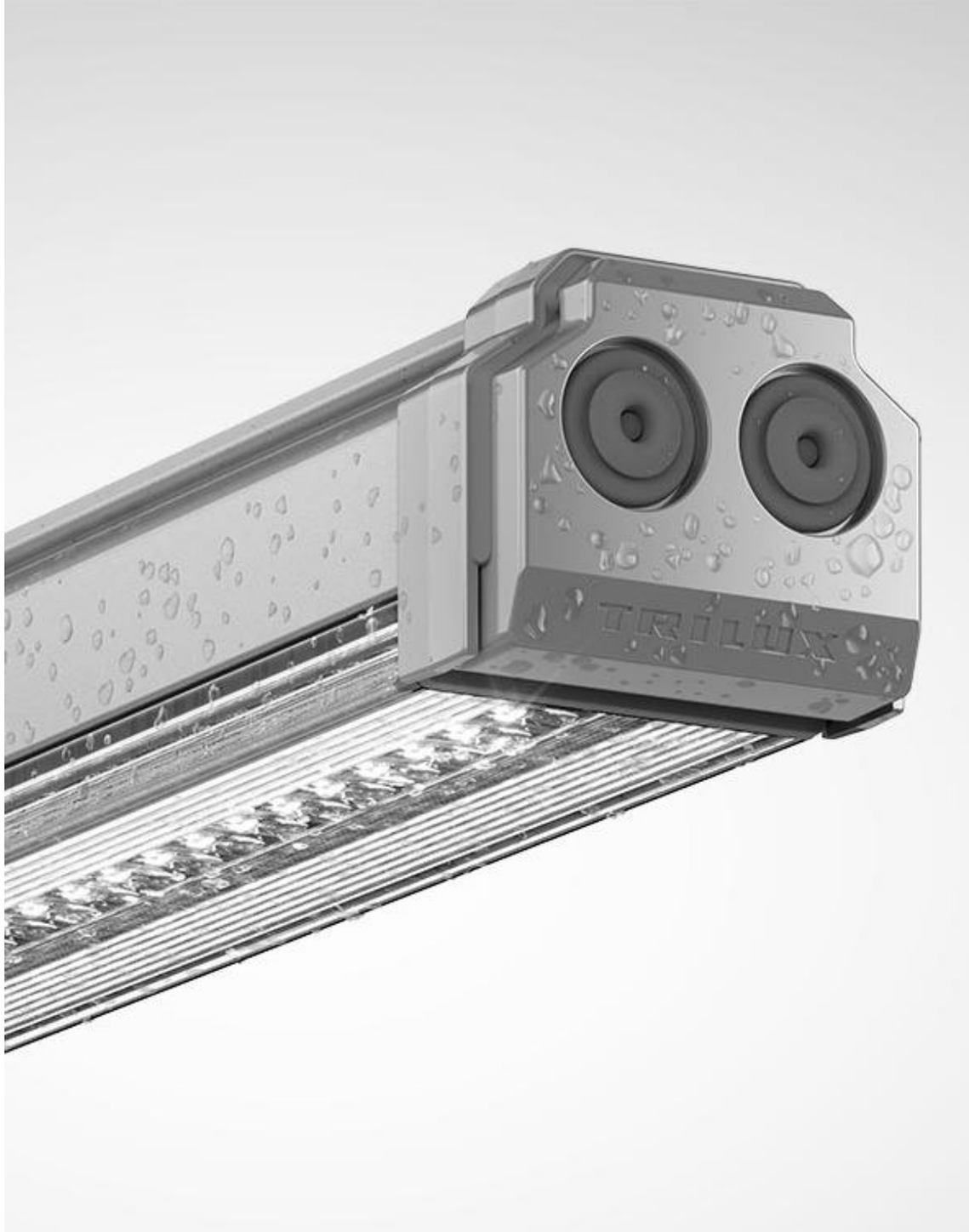


Transparent IP64 cover

+

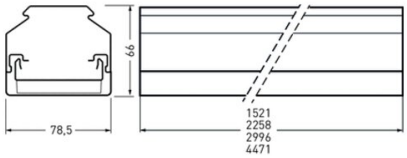
Detail of the IP64 head

= IP64



7651HE LVW110-840ETDD L225 03

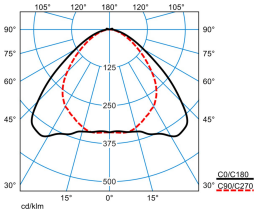
TOC: 9002296978



Product features and key data

Mounting method	Surface-mounting|Suspension
Power supply value	57 W
Power factor	0,95
Colour temperature	4000 K
Rated light current	11.000 lm
Luminous efficiency	193 lm/W
Interchangeability lightsource	Yes - interchangeable
Operating efficiency	1
Colour rendering indx	80
Service life	70000 hours
Colour	RAL9006 White aluminium
Switching type	Electr trnsfmr DALI DIM(ETDD)
Connection	Connection terminal
Rated frequency	50/60 Hz
Protection rating	IP20
Protection ratg lamp compartmt	IP20
Protection class	I
Impact resistance	IK03
Glow wire resistance	650 °C
Net length	2.211 mm
Net width	62 mm
Net height	50 mm
Weight	1,8 kg

light distribution curve



ELINE HE LVW110 840 L225 1 64

DIN 5040 = A40
UGR l = 23,1
UGR q = 23,9
UTE = 0.98 D + 0.02 T
CEN flux code = 53 86 97 98 100 0 0 33 2

Offer text

LED gear tray for continuous line system E-Line 7651. Version for use in applications with high requirements for temperature resistance, luminaire efficiency and service life of the continuous line. Compliant to DIN 10500. The luminaires are suitable for applications in HACCP, IFS and/or BRC Global Standard Food -certified companies in the food and beverage industries. For combining with E-Line 07650... trunking. Mounting to trunking with tool-free stainless steel snap fasteners. Correct mounting of the gear tray with the trunking is confirmed by a snap-in noise. The transparent mounting elements made of UV-stabilised PC can be removed after successful installation, thus ensuring theft and disassembly protection. Due to the design, the harmonious appearance of the lighting system is also

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

guaranteed when various optical systems are combined within a continuous line system. Light distribution characteristic: very wide, Beam spread C0: 107°, Beam spread C90: 96°, Main beam angle: +/- 33°. The optical system consists of a PMMA lens optic with three matched, photometrically effective sections and thus ensures uniform light distribution and homogeneous illumination. The flat surface makes cleaning the luminaire easier. Particularly suitable for wide-area illumination. The light distribution characteristic of the gear tray is determined by the lens concept and requires no further components. Recommended installation height: 3 - 6 m. With three LED modules (3 x 96 LED). Light generation is free of infrared (IR) and ultraviolet (UV) components. The luminaire luminous flux of the gear tray is electronically parameterised in the production process according to customer requirements. Parameterised luminaire luminous flux of the gear tray: 11.000 lm. connected load 57 W, luminous efficiency of luminaire 193 lm/W. General Colour rendering index (CRI) > 80, correlated colour temperature (CCT) 4000 K. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80(tq &1 °C) = 70.000 h. Gear tray of sheet steel, coated silver-grey (similar to RAL9006). Length of the gear tray 2.211 mm. Permissible ambient temperature (ta) -25 °C to &2 °C. protection rating (DIN EN 60529):IP64 Safety class (EN 61140): I. impact resistance level in accordance with IEC 62262: IK03, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Self-actuating electrical connection via plug contacts with phase selection. Phase selection is without use of tools. With mechanical misassembly protection. With electronic transformer, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). The product complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. A special online tool is available for the simple and fast planning and configuration process of the application. The resource-optimised packaging concept of the continuous-row components simplifies installation and protects the environment. The luminaire is also ENEC-certified by an independent testing authority. With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

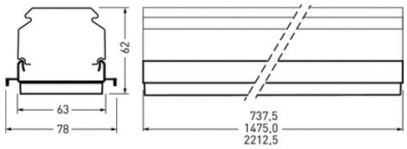
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
B	85402980
B	LMC-V-96-700-840-B01-L72W2-C

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

7651HE LW90-840ETDD L15003

TOC: 9002041336



Product features and key data

Mounting method	Surface-mounting|Suspension
Power supply value	50 W
Power factor	0,95
Colour temperature	4000 K
Rated light current	9.500 lm
Luminous efficiency	190 lm/W
Colour tolerance	3 SDCM
Interchangeability lightsource	Yes - interchangeable
Operating efficiency	1
Colour rendering indx	80
Service life	70000 hours
Colour	RAL9006 White aluminium
Switching type	Electr trnsfmr DALI DIM(ETDD)
Dimming DALI-2	Yes
Connection	Connection terminal
Number of Dali addresses	1
Dimming range	1 - 100 %
Monitoring Ready	Yes
Max. Luminaires B10	24
Max. Luminaires B16	24
Max. Luminaires C10	14
Max. Luminaires C16	40
Rated frequency	50/60 Hz
DC suitability	Yes
Protection rating	IP20
Protection ratg lamp compartmt	IP20
Protection class	I
Impact resistance	IK03
Glow wire resistance	650 °C
Net length	1.474 mm
Net width	62 mm
Net height	50 mm
Weight	1,3 kg

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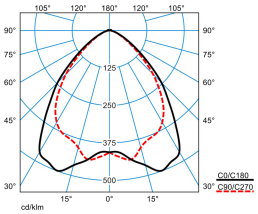
light distribution curve



ELINE HE LW90 840 L150 1 20

DIN 5040 = A50
UGR l = 23,1
UGR q = 23,0
UTE = 0.99 C + 0.01 T
CEN flux code = 65 92 99 99 100 0 8 50 1

Offer text

LED gear tray for continuous line system E-Line 7651. Version for use in applications with high requirements for temperature resistance, luminaire efficiency and service life of the continuous line. Gear trays with lengths of 1475 mm are suitable for setting up new systems as well as for refurbishment applications in existing systems with E-Line T5N/LED continuous line systems. Compliant to DIN 10500. The luminaires are suitable for applications in HACCP, IFS and/or BRC Global Standard Food -certified companies in the food and beverage industries. For combining with E-Line 07650... trunking. Compatible with E-Line T5N/LED 07650... support profiles. Mounting to trunking with tool-free stainless steel snap fasteners. Correct mounting of the gear tray with the trunking is confirmed by a snap-in noise. The transparent mounting elements made of UV-stabilised PC can be removed after successful installation, thus ensuring theft and disassembly protection. Due to the design, the harmonious appearance of the lighting system is also guaranteed when various optical systems are combined within a continuous line system. Light distribution characteristic: wide, Beam spread C0: 89°, Beam spread C90: 88°, Main beam angle: +/- 20°. The optical system consists of a PMMA lens optic with three matched, photometrically effective sections and thus ensures uniform light distribution and homogeneous illumination. The flat surface makes cleaning the luminaire easier. Particularly suitable for wide-area illumination. The light distribution characteristic of the gear tray is determined by the lens concept and requires no further components. Recommended installation height: 4 - 8 m. With two LED modules (2 x 96 LED). Light generation is free of infrared (IR) and ultraviolet (UV) components. The luminaire luminous flux of the gear tray is electronically parameterised in the production process according to customer requirements. Parameterised luminaire luminous flux of the gear tray: 9.500 lm. connected load 50 W, luminous efficiency of luminaire 190 lm/W. General Colour rendering index (CRI) > 80, correlated colour temperature (CCT) 4000 K. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80(tq 40 °C) = 70.000 h. Gear tray of sheet steel, coated silver-grey (similar to RAL9006). Length of the gear tray 1.474 mm. Permissible ambient temperature (ta) -25 °C to 40 ° C. protection rating (DIN EN 60529):IP20 Safety class (EN 61140): I. impact resistance level in accordance with IEC 62262: IK03, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Self-actuating electrical connection via plug contacts with phase selection. Phase selection is without use of tools. With mechanical misassembly protection. With electronic transformer, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). The luminaire is monitoring-ready (MOR), supplies luminaire data for monitoring or for predictive maintenance and is therefore compatible to the TRILUX Digital Services (Energy Monitoring and Light Monitoring). The product complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. A special online tool is available for the simple and fast planning and configuration process of the application. The resource-optimised packaging concept of the continuous-row components simplifies installation and protects the environment. The luminaire is also ENEC-certified by an independent testing authority. With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
B	85402980
B	LMC-V-96-700-840-B01-L72W2-C

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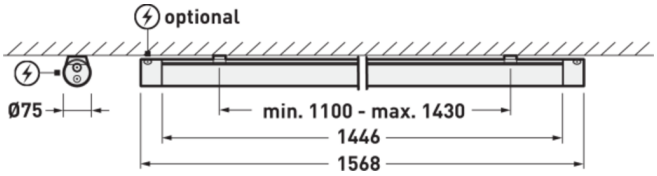
Tugra 15 PVW 60-840 ETDD PC 23

TOC: 7983651



Product features and key data

Luminaire type	Multi-variable and modern tube luminaire with 75 mm profile diameter.
Mounting method	Surface-mounting|Suspension
Luminaire optic	Cylindrical profile with photometrically effective prismatic structure as secondary optic.
Light distribution curve	Very Wide (VW)
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	6000 lm
Connected load	47,00 W
Luminous efficacy	128 lm/W
Rated service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire profile made of polycarbonate (PC).
Electrical version	With electronic transformer, digitally dimmable (DALI).
DALI-2-Standard EN 62386	Yes
Connection method	Plug-in terminal
Touch-Dim-capable	Yes
Number of DALI addresses	1
Dimming range	1 - 100 %
Monitoring Ready	Yes
Mains voltage	220 - 240 V
Mains frequency	0/50/60 Hz
Total harmonic distortion < %	14 %
IFS label	Yes
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK10
Hot wire resistance	850 °C
Ambient temperature	-25 - 35 °C
Max. Luminaires B10	13
Max. Luminaires B16	24
Max. Luminaires C10	25
Max. Luminaires C16	40
Net length	1.568 mm
Net width	75 mm
Net height	75 mm
Outside diameter	75 mm

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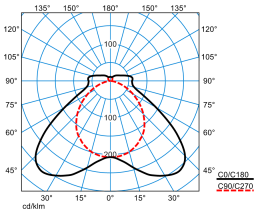
Weight	2,4 kg

light distribution curve



Tugra 15 PVW 60-840 ETDD PC 23

UGR I = 20,8
UGR q = 22,5
DIN 5040: B30
UTE: 0.87 E + 0.13 T
DLOR: 87 %
ULOR: 13 %
CEN Flux Code: 42 77 93 87 100 14 33 63 13

Available accessories

	Material	Description
	ZAA/01 4601700	Ceiling canopy, round. Colour white.
	ZAA/03 4601800	Ceiling canopy, round. Colour silver-grey.
	ZAE/01 515 4691700	Ceiling canopy for connection of the 5-pole mains cable in case of ceiling outlets. Square, white.
	ZAE/03 515 4691800	Ceiling canopy for connection of the 5-pole mains cable in case of ceiling outlets. Square, silver-grey.
	ZAR/01 7002300	Ceiling canopy, square, white.
	ZAR/03 7002400	Ceiling canopy, square, silver grey.
	Tugra ZLV/315/15 8116900	Through-wiring, 3-core. For luminaires from seriesTugra 15... .
	Tugra ZLV/515/15 8117000	Through-wiring, 5-core. For luminaires from seriesTugra 15... .
	Tugra Ks 58 PC 23 Set Ersatz 8088700	End cap made of thermoplastically fused PC / TPE with high-quality, matt surface structure and surface finish according to VDI30. The end cap is equipped with 3 self-sealing membranes for cable cross-sections 7 mm - 13 mm as well as 3 pre-stamped feed points for PG cable glands (M20/M25) for protection rating-compliant infeed (IP66). Colour light grey.
	Tugra Ks 58 PC 01 Set Ersatz 8088800	End cap made of thermoplastically fused PC / TPE with high-quality, matt surface structure and surface finish according to VDI30. The end cap is equipped with 3 self-sealing membranes for cable cross-sections 7 mm - 13 mm as well as 3 pre-stamped feed points for PG cable glands (M20/M25) for protection rating-compliant infeed (IP66). Colour white.
	Tugra Ks 58 PC 05 Set Ersatz 8089000	End cap made of thermoplastically fused PC / TPE with high-quality, matt surface structure and surface finish according to VDI30. The end cap is equipped with 3 self-sealing membranes for cable cross-sections 7 mm - 13 mm as well as 3 pre-stamped feed points for PG cable glands (M20/M25) for protection rating-compliant infeed (IP66). Colour black.
	Tugra LME HFS ET 130 PC 23 8089500	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour light grey.
	Tugra LME HFS ET 130 PC 01 8089600	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour white.
	Tugra LME HFS ET 130 PC 05 8089800	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour black.

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Tugra LME HFS ETDD 130 PC 23 8090300	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour light grey.
Tugra LME HFS ETDD 130 PC 01 8090400	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour white.
Tugra LME HFS ETDD 130 PC 05 8090600	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour black.
Tugra LME DMR 130 PC 23 8091500	Smart module for single luminaire applications. With LiveLink SwarmSens receiver equipment. Module length 150 mm.
Tugra LME DMR 130 PC 01 8091600	Smart module for single luminaire applications. With LiveLink SwarmSens receiver equipment. Module length 150 mm.
Tugra LME DMR 130 PC 05 8091800	Smart module for single luminaire applications. With LiveLink SwarmSens receiver equipment. Module length 150 mm.
Tugra LME DMM 130 PC 23 8092300	Smart module for single luminaire applications. With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 150 mm.
Tugra LME DMM 130 PC 01 8092400	Smart module for single luminaire applications. With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 150 mm.
Tugra LME DMM 130 PC 05 8092600	Smart module for single luminaire applications. With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 150 mm.
Tugra LME Beacon 130 PC 23 8093100	Smart module beacon for single luminaire application and continuous line ends. Colour light grey.
Tugra LME Beacon 130 PC 01 8093200	Smart module beacon for single luminaire application and continuous line ends. Colour white.
Tugra LME Beacon 130 PC 05 8093400	Smart module beacon for single luminaire application and continuous line ends. Colour black.
Tugra LME MP 260 01 8093900	Universal mounting plates made of sheet steel. powder-coated white, similar to RAL 9016
Tugra LME MP 260 8094000	Universal mounting plates made of sheet steel.
Tugra LMB 165 PC 23 8094100	PC coupler long. Surface coated light grey (similar to RAL 7035)
Tugra LMB 165 PC 01 8094200	PC coupler long. Surface coated white (similar to RAL 9016)
Tugra LMB 165 PC 05 8094400	PC coupler long. Surface coated black (similar to RAL 9005)
Tugra LMB HFS ET 165 PC 23 8094900	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour light grey.
Tugra LMB HFS ET 165 PC 01 8095000	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour white.
Tugra LMB HFS ET 165 PC 05 8095200	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour black.

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Tugra LMB HFS ETDD 165 PC 23 8095700	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour light grey.
Tugra LMB HFS ETDD 165 PC 01 8095800	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour white.
Tugra LMB HFS ETDD 165 PC 05 8096000	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour black.
Tugra LMB DMR 165 PC 23 8096500	Smart module for continuous row applications With LiveLink SwarmSens receiver equipment. Module length 165 mm.
Tugra LMB DMR 165 PC 01 8096600	Smart module for continuous row applications With LiveLink SwarmSens receiver equipment. Module length 165 mm.
Tugra LMB DMR 165 PC 05 8096800	Smart module for continuous row applications With LiveLink SwarmSens receiver equipment. Module length 165 mm.
Tugra LMB DMM 165 PC 23 8097300	Smart module for continuous row applications With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 165 mm.
Tugra LMB DMM 165 PC 01 8097400	Smart module for continuous row applications With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 165 mm.
Tugra LMB DMM 165 PC 05 8097600	Smart module for continuous row applications With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 165 mm.
Tugra LMB Beacon 165 PC 23 8098100	Smart module beacon for continuous line applications. Colour light grey.
Tugra LMB Beacon 165 PC 01 8098200	Smart module beacon for continuous line applications. Module length 165 mm.
Tugra LMB Beacon 165 PC 05 8098400	Smart module beacon for continuous line applications. Colour black.
Tugra BLP 322 PXX PC 8099000	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 361 mm, Width 75 mm, height 75 mm.
Tugra BLP 603 PXX PC 8099400	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 642 mm, Width 75 mm, height 75 mm.
Tugra BLP 884 PXX PC 8099800	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 923 mm, Width 75 mm, height 75 mm.
Tugra BLP 1165 PXX PC 8100200	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1204 mm, Width 75 mm, height 75 mm.
Tugra BLP 1446 PXX PC 8100600	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1485 mm, Width 75 mm, height 75 mm.
Tugra BLP 1727 PXX PC 8101000	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1766 mm, Width 75 mm, height 75 mm.
Tugra BLP 2008 PXX PC 8101400	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 2047 mm, Width 75 mm, height 75 mm.
Tugra ZLK PC 23 8101700	PC coupler short. Colour light grey (similar to RAL 7035).

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Tugra ZLK PC 01 8101800	PC coupler short. Colour white (similar to RAL 9016).
Tugra ZLK PC 05 8102000	PC coupler short. Colour black (similar to RAL 9005).
Tugra ZSDT/2000 8117800	Wire suspension for luminaires of series Tugra. With decorative ceiling connection. With metal clamp for use of triangle.
Tugra ZSDD/2000 8117900	Wire suspension for luminaires of series Tugra. With decorative ceiling connection. With threaded sleeve for attachment to the mounting clip.
Tugra ZSSD/2000 8118000	Wire suspension for luminaires of series Tugra. With loop for ceiling suspension. With threaded sleeve for attachment to the mounting clip.
Tugra ZBRS 8118100	Tube clip for wall and ceiling mounting and also suitable for suspended mounting by means of separate accessories. Length 125 mm, Width 25 mm, height 90 mm.
Tugra ZBWM 8118200	Pivotable mounting brackets for wall or ceiling mounting. Length 76 mm, Width 87 mm, height 108 mm.
Tugra ZB V2A Ersatz 8118300	Standard stainless steel mounting clips (2 pieces, V2A) for wall and ceiling fixing with triangle for holding components for suspended mounting.
Tugra ZB V4A 8118400	Stainless steel mounting clips (2 pieces, V4A) for wall and ceiling fixing with triangle for holding components for suspended mounting. Length 47,5 mm, Width 30 mm, height 23 mm.
Tugra ZBATL 8118500	Disassembly protection for horizontal wall mounting. Length 60,5 mm, Width 40,4 mm, height 20 mm.
Tugra ZSST/2000 8118900	Wire suspension for luminaires of series Tugra. With loop for ceiling suspension. With metal clamp for use of triangle.
Profil Tugra 15 PXX PC Ersatz 8492800	Replacement profile for Tugra 15 PXX PC... . Length: 1485 mm.
Tugra L-Connector Alu 23 9829500	L-connector for the mechanical connection of two luminaires in a continuous line application. Made of aluminium, with matt surface structure. Colour light grey.
Tugra X-Connector Alu 23 9829800	X-connector for the mechanical connection of four luminaires in a continuous line application. Made of aluminium, with matt surface structure. Colour light grey.
Tugra I-Connector Alu 23 9830000	I-connector for the mechanical connection of two luminaires in a continuous line application. Made of aluminium, with matt surface structure. Colour light grey.
Tugra T-Connector Alu 23 9830100	T-connector for the mechanical connection of three luminaires in a continuous line application. Made of aluminium, with matt surface structure. Colour light grey.
Tugra ZBRS PA 03 6000664100	Tube clip for wall and ceiling mounting. Made of polyamide. Resistant to UV radiation and ageing. impact resistance level in accordance with IEC 62262: IK10. Length 105 mm, Width 39 mm, height 116 mm.

Offer text

Multi-variable and modern tube luminaire with 75 mm profile diameter. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. For wall and ceiling mounting. Standard stainless steel mounting clips (2 pieces, V2A) with triangle included in the scope of supply. Optional accessories enable further mounting concepts. As single luminaire or for continuous line use. The continuous mounting channel of the luminaire body enables very high flexibility in positioning the fixing points. The packaging is made of recyclable cardboard, plastic-free. Multiple packaging with 28 luminaires as well as project packaging with 108 luminaires per packaging unit further reduce the general consumption of resources in the overall process. Cylindrical profile with photometrically effective prismatic structure as secondary optic. With opal profile area above and translucent profile area below the mounting channel. With symmetric extra wide light distribution. With mainly direct light distribution. With slight indirect component for surface illumination. Luminaire luminous flux and light color fixed. Luminaire luminous flux 6000 lm, connected load 47 W, maximum luminous efficiency of luminaire 128 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire profile made of polycarbonate (PC). End

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

cap colour gray (similar to RAL 7035). End cap made of thermoplastically fused PC / TPE with high-quality, matt surface structure and surface finish according to VDI30. The end cap is equipped with 3 self-sealing membranes for cable cross- sections 7 mm - 13 mm as well as 3 pre-stamped feed points for PG cable glands (M20/M25) for protection rating-compliant infeed (IP66). The end cap is connected to the profile cylinder via a bayonet lock. Standard end caps included. Luminaire length 1568 mm, Luminaire height 75 mm, Ø Luminaire body 75 mm. The gear tray is fixed to the luminaire profile with transparent devices to avoid shadowing. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK10, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. Permissible ambient temperature (ta): -25 °C to 35 °C. Weight: 2,4 kg. The connection is made by means of a plug-in terminal with mains forwarding equipment. The barrier free cable duct inside the luminaire profile facilitates the insertion of optional through-wiring or alternative uses, e.g. installing network cables. The luminaire is suitable for operation on a 230V direct voltage supply grid (DC). With electronic transformer, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). Luminaire is switchable and dimmable by means of touch functionality via DALI control terminals (Touch DIM). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The ENEC certification by an independent testing laboratory is in preparation. The luminaire is monitoring-ready (MOR), supplies luminaire data for monitoring or for predictive maintenance and is therefore compatible to the TRILUX Monitoring Services. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority. Luminaire available for 10 years, spare parts (LED module, control gear unit, optical system) for 15 years from date of invoice, subject to reasonable modifications in the interests of progress.

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

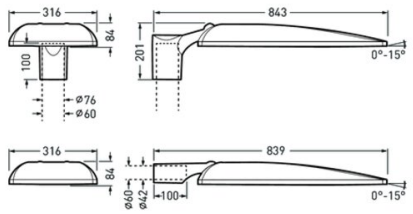
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	SI-B8T14B560EU
D	86002101-00
D	SI-B8T07B280EU
D	86002129-00
C	LMC-T-44-200-840-B01-L56W2
C	85403334
C	LMC-T-22-110-840-B01-L28W2
C	85403306

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Jovie70-AB7L8-91-740-ETDD-DAH-26

TOC: 9002280470

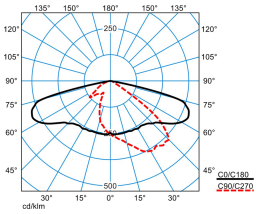


Product features and key data

Series	Jovie 70	
Mounting method	Pole neck / pole top	
Anzahl MLT-Module je 4 LED	8	
Light distribution	AB7L	
Condition Lighting	CLO initial value	CLO end value
Power supply value	59 W	62 W
Power factor	0,90	
Colour temperature	4000 K	4000 K
Rated light current	9.100 lm	9.100 lm
Luminous efficiency	154 lm/W	146 lm/W
Interchangeability lightsource	Yes - interchangeable	
Rated life L80/B50 25°C	100.000 h	
Colour rendering indx	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Colour	DB703 micaceous iron oxide	
Material housing	Aluminium	
Switching type	Electr trnsfmr DALI DIM(ETDD)	
Dimming DALI-2	Yes	
Surge voltage resistance diffM	6 kV	
Surge voltage resistance ComMo	10 kV	
Connection method	Connection cable	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Rated frequency	50/60 Hz	
Bemessungsspannung	220 - 240 V	
Total harmonic distortion	10 %	
Protection rating	IP66	
Protection class	II	
Impact resistance	IK09	
Glow wire resistance	650 °C	
Ambient temperature	25 °C	
Max. Luminaires B10	6	
Max. Luminaires B16	10	
Max. Luminaires C10	10	
Max. Luminaires C16	16	
Net length	680 mm	
Net width	316 mm	
Net height	80 mm	
Weight	8,6 kg	

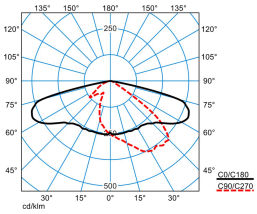
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



Jovie 70-AB7L-8-91-740-CLO-B

DIN 5040 = A30
CEN flux code = 39 76 98 100 100
UGR l = 0,0
UGR q = 0,0
UTE = 1.00 E



Jovie 70-AB7L-8-91-740-CLO-E

DIN 5040 2 = A30
CEN flux code = 39 76 98 100 100
UGR l 2 = 0,0
UGR q 2 = 0,0
UTE 2 = 1.00 E

Available accessories

	Material	Description
	MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
	0803/2/76-200-42/180° N5° 6824200	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-200-42/120° N5° 6824300	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/2/76-200-60/180° N5° 6824500	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-350-60/120° N5° 6824900	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	Jovie Z MB D76 26 7256600	Post mounting for luminaires from the Jovie series 50/70. Of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated.
	Jovie A Z MB D42 26 7256500	Post mounting for luminaires from the Jovie series 50/70. Colour anthracite, similar to DB703 with metal effect, highly weather resistant.
	Jovie A Z MB D60 26 7372000	Post mounting for luminaires from the Jovie series 50/70. Colour anthracite, similar to DB703 with metal effect, highly weather resistant.
	Jovie Z MB D60 26 7372100	Post mounting for luminaires from the Jovie series 50/70. Of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated.
	0803WB-R/100-42 26 7353000	Decorative wall mounting made of cast aluminium. Colour anthracite, with metal effect, highly weather resistant, (similar to DB 703).
	Jovie Z TA/0 7661100	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version without inclination.
	Jovie Z TA/15 7661200	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version with 15° inclination angle.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

MLT ZAS G4 p4
7851000

Lateral shielding for MLT IQ lens systems. Accessories for retrofitting in technical and decorative outdoor luminaires with lens optics ABxL, AMxL, SB3L, RBxL.

0970/60 Reduction Piece
2223400

Reduction piece of stainless steel. Post spigot Ø 60 mm.

Offer text

Versatile outdoor post luminaire in minimalist, international design with flat construction. With an intelligent label for quick access to luminaire information by means of QR code. Large version, length of luminaire head 680 mm. To be used as a post-top luminaire (spigot measurement Ø76 mm/ Ø60 mm) or bracket-mounted luminaire (spigot measurement Ø42 mm/ Ø60 mm) in combination with the post fixing to be ordered separately.. The inclination of the luminaire head can be adjusted. Inclination angle for bracket-mounting o°, -5°, -10°, -15°. Inclination angle for post-top mounting 0°, 5°, 10°, 15°.. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. Asymmetric wide luminous intensity distribution for illumination of roads according to M lighting classes with a road width-to-light point ratio of up to 1.7. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. The light source can be replaced by skilled personnel. The LED system consists of MLT LED modules with 4 LEDs each. Number of modules: 8. Luminaire luminous flux 9.100 lm, connected load 59,0 W, luminous efficiency of luminaire 154 lm/W. Power factor λ 0,90. Efficiency version with material-optimised number of LEDs. General Colour rendering index (CRI) > 70, correlated colour temperature (CCT) 4000 K. Further LED light colours available on request. Nominal rated service life LCLO (tq 25 °C) 100.000. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body of die-cast aluminium. Colour DB703 micaceous iron oxide. Sea weather-suitable coating on request. With PMMA cover, printed. The cover can be individually printed on customer request. Visible label protected against weather impact behind the cover on request. Safety class (EN 61140): 02, protection rating (DIN EN 60529): 66, impact resistance level in accordance with IEC 62262: IK09. Mast available upon request. Windage area Fw (m²) = 0,22. Weight: 8,6 kg. The luminaire is connected without opening the luminaire body by means of the connection cable routed to the outside. The operating device can be replaced by qualified personnel. Length of connection cable: 10 m. With electronic transformer, digitally dimmable (DALI). Parametrierbares Vorschaltgerät mit Lichtstromkonstanthaltung (CLO). Connected load at the end of service life: 62,00 W. Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is compliant with requirements of applicable EU guidelines and product safety legislation(CE label). In addition, the luminaire is ENEC-certified by an independent testing centre. Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m²) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

Planning information:
The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m ^{2}) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.
Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005058-00
C	SL-B7T3N80L3EU

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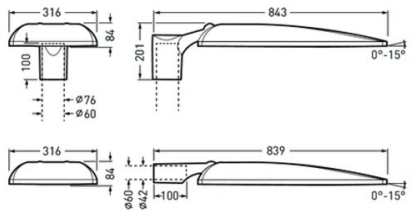
Jovie70-AB7L8-91-740-ETDD-DAH-26

TOC: 9002280470

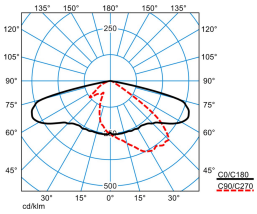


Product features and key data

Series	Jovie 70	
Mounting method	Pole neck / pole top	
Anzahl MLT-Module je 4 LED	8	
Light distribution	AB7L	
Condition Lighting	CLO initial value	CLO end value
Power supply value	59 W	62 W
Power factor	0,90	
Colour temperature	4000 K	4000 K
Rated light current	9.100 lm	9.100 lm
Luminous efficiency	154 lm/W	146 lm/W
Interchangeability lightsource	Yes - interchangeable	
Rated life L80/B50 25°C	100.000 h	
Colour rendering indx	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Colour	DB703 micaceous iron oxide	
Material housing	Aluminium	
Switching type	Electr trnsfmr DALI DIM(ETDD)	
Dimming DALI-2	Yes	
Surge voltage resistance diffM	6 kV	
Surge voltage resistance ComMo	10 kV	
Connection method	Connection cable	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Rated frequency	50/60 Hz	
Bemessungsspannung	220 - 240 V	
Total harmonic distortion	10 %	
Protection rating	IP66	
Protection class	II	
Impact resistance	IK09	
Glow wire resistance	650 °C	
Ambient temperature	25 °C	
Max. Luminaires B10	6	
Max. Luminaires B16	10	
Max. Luminaires C10	10	
Max. Luminaires C16	16	
Net length	680 mm	
Net width	316 mm	
Net height	80 mm	
Weight	8,6 kg	

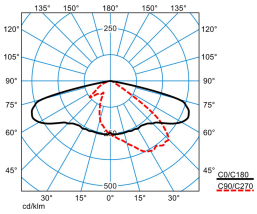
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



Jovie 70-AB7L-8-91-740-CLO-B

DIN 5040 = A30
CEN flux code = 39 76 98 100 100
UGR l = 0,0
UGR q = 0,0
UTE = 1.00 E



Jovie 70-AB7L-8-91-740-CLO-E

DIN 5040 2 = A30
CEN flux code = 39 76 98 100 100
UGR l 2 = 0,0
UGR q 2 = 0,0
UTE 2 = 1.00 E

Available accessories

	Material	Description
	MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
	0803/2/76-200-42/180° N5° 6824200	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-200-42/120° N5° 6824300	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/2/76-200-60/180° N5° 6824500	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-350-60/120° N5° 6824900	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	Jovie Z MB D76 26 7256600	Post mounting for luminaires from the Jovie series 50/70. Of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated.
	Jovie A Z MB D42 26 7256500	Post mounting for luminaires from the Jovie series 50/70. Colour anthracite, similar to DB703 with metal effect, highly weather resistant.
	Jovie A Z MB D60 26 7372000	Post mounting for luminaires from the Jovie series 50/70. Colour anthracite, similar to DB703 with metal effect, highly weather resistant.
	Jovie Z MB D60 26 7372100	Post mounting for luminaires from the Jovie series 50/70. Of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated.
	0803WB-R/100-42 26 7353000	Decorative wall mounting made of cast aluminium. Colour anthracite, with metal effect, highly weather resistant, (similar to DB 703).
	Jovie Z TA/0 7661100	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version without inclination.
	Jovie Z TA/15 7661200	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version with 15° inclination angle.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

MLT ZAS G4 p4
7851000

Lateral shielding for MLT IQ lens systems. Accessories for retrofitting in technical and decorative outdoor luminaires with lens optics ABxL, AMxL, SB3L, RBxL.

0970/60 Reduction Piece
2223400

Reduction piece of stainless steel. Post spigot Ø 60 mm.

Offer text

Versatile outdoor post luminaire in minimalist, international design with flat construction. With an intelligent label for quick access to luminaire information by means of QR code. Large version, length of luminaire head 680 mm. To be used as a post-top luminaire (spigot measurement Ø76 mm/ Ø60 mm) or bracket-mounted luminaire (spigot measurement Ø42 mm/ Ø60 mm) in combination with the post fixing to be ordered separately.. The inclination of the luminaire head can be adjusted. Inclination angle for bracket-mounting o°, -5°, -10°, -15°. Inclination angle for post-top mounting 0°, 5°, 10°, 15°.. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. Asymmetric wide luminous intensity distribution for illumination of roads according to M lighting classes with a road width-to-light point ratio of up to 1.7. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. The light source can be replaced by skilled personnel. The LED system consists of MLT LED modules with 4 LEDs each. Number of modules: 8. Luminaire luminous flux 9.100 lm, connected load 59,0 W, luminous efficiency of luminaire 154 lm/W. Power factor λ 0,90. Efficiency version with material-optimised number of LEDs. General Colour rendering index (CRI) > 70, correlated colour temperature (CCT) 4000 K. Further LED light colours available on request. Nominal rated service life LCLO (tq 25 °C) 100.000. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body of die-cast aluminium. Colour DB703 micaceous iron oxide. Sea weather-suitable coating on request. With PMMA cover, printed. The cover can be individually printed on customer request. Visible label protected against weather impact behind the cover on request. Safety class (EN 61140): 02, protection rating (DIN EN 60529): 66, impact resistance level in accordance with IEC 62262: IK09. Mast available upon request. Windage area Fw (m²) = 0,22. Weight: 8,6 kg. The luminaire is connected without opening the luminaire body by means of the connection cable routed to the outside. The operating device can be replaced by qualified personnel. Length of connection cable: 10 m. With electronic transformer, digitally dimmable (DALI). Parametrierbares Vorschaltgerät mit Lichtstromkonstanthaltung (CLO). Connected load at the end of service life: 62,00 W. Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is compliant with requirements of applicable EU guidelines and product safety legislation(CE label). In addition, the luminaire is ENEC-certified by an independent testing centre. Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m²) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

Planning information:
The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m ^{2}) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.
Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

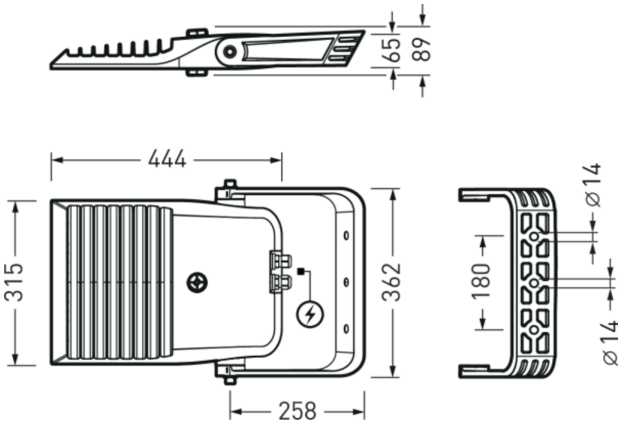
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005058-00
C	SL-B7T3N80L3EU

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

LnPlus 40-AM19L/5100-740 6G1 ETDD

TOC: 8120951



Product features and key data

Applications	Accent lighting|Building sites|Container areas|Storage locations|Parks|Sports fields|Tennis courts	
Luminaire type	LED floodlight for wide-area illumination.	
Light sources	LED system consists of 6 MLT LED modules each with 4 LEDs.	
Mounting method	Mounting bracket|Directional mounting|Surface-mounting	
Luminaire optic	As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations.	
Light distribution curve	asym. mittelbreitstr. (AM19L)	
FWHM	31 °	
Light Engine	CLO initial value	CLO end value
Colour temperature	4000 K	4000 K
Rated luminous flux	5100 lm	5100 lm
Connected load	32,00 W	34,00 W
Luminous efficacy	159 lm/W	150 lm/W
Rated service life	LCLO (25 °C) = 100.000 h	
Colour rendering index	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Distance to Risk Group 1	460 mm	
Luminaire colour	DB703 / RAL9006	
Luminaire body	Luminaire body and cover support of die-cast aluminium. Cover of flat non-laminated safety glass fixed in frame.	
Electrical version	With electronic control gear unit, digitally dimmable (DALI).	
DALI-2-Standard EN 62386	Yes	
Surge voltage resistance (differential mode)	6 kV	
Surge voltage resistance (common mode)	10 kV	
Connection method	Plug-in terminal	
Number of DALI addresses	1	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Mains voltage	220 - 240 V	
Mains frequency	50/60 Hz	
Total harmonic distortion < %	10 %	
Protection rating	IP66	
Protection class	I	
Impact resistance (IK)	IK09	
Hot wire resistance	960 °C	
Ambient temperature	-40 - 25 °C	
Max. Luminaires B10	6	
Max. Luminaires B16	10	
Max. Luminaires C10	10	
Max. Luminaires C16	16	

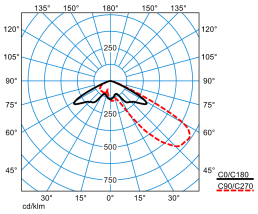
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Net length	503 mm
Net width	390 mm
Net height	240 mm
Weight	8,0 kg

Light Engine Data

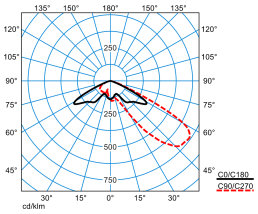
Light Engine	Color temperature	Rated light current	Power supply value Type	Luminous efficacy
CLO initial value	4000 K	5100 lm	32,00 W	159 lm/W
CLO end value	4000 K	5100 lm	34,00 W	150 lm/W

light distribution curve



LnPlus 40-AM19L/5100-740 6G1 ETDD (CLO initial value)

DIN 5040: A30
UTE: 1.00 J
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 26 78 99 100 100



LnPlus 40-AM19L/5100-740 6G1 ETDD (CLO end value)

DIN 5040: A30
UTE: 1.00 J
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 26 78 99 100 100

Available accessories

Material	Description
MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
0805 Traverse A 1/76 1xLnPlus 40 8287700	Cross-arm for mounting one LED projector LnPlus 40. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 1/89 1xLnPlus 40 8287800	Cross-arm for mounting one LED projector LnPlus 40. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 3/76 3xLnPlus 40/60 8288100	Cross-arm for mounting three LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 3/89 3xLnPlus 40/60 8288200	Cross-arm for mounting three LED projectors. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 3/108 3xLnPlus 40/60 8288300	Cross-arm for mounting three LED projectors. Bracket-mounting for poles with a pole spigot diameter of Ø 108 mm.
0805 Traverse A 2/76/180° 2xLnPlus 40/60 8288400	Cross-arm for mounting two LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 2/89/180° 2xLnPlus 40/60 8288500	Cross-arm for mounting two LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

0805 Traverse A 4/76 4x LnPlus 40/60 8288700	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 4/89 4x LnPlus 40/60 8288800	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 4/108 4x LnPlus 40/60 8288900	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 108 mm.
0805 Traverse S2 2/89 2x LnPlus 40 8289000	Cross-arm for mounting two LED projectors LnPlus 40. Post-top mounting for posts with post spigot diameter Ø 89 mm.
0805 Traverse S2 2/108 2x LnPlus 40 8289100	Cross-arm for mounting two LED projectors LnPlus 40. Post-top mounting for posts with post spigot diameter Ø 108 mm.
0805 Traverse S1 1/76 1x LnPlus 40/60 8289400	Cross-arm for mounting one LED projector LnPlus 40/60. Post-top mounting for posts with post spigot diameter Ø 76 mm.
0805 Traverse S1 1/89 1x LnPlus 40/60 8289500	Cross-arm for mounting one LED projector LnPlus 40/60. Post-top mounting for posts with post spigot diameter Ø 89 mm.
MLT ZAH MF sw p4 8508900	Rear shielding for MLT IQ lens systems.

Offer text

LED floodlight for wide-area illumination. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. Die-cast aluminium mounting bracket. The sturdy mounting bracket with 3 holes enables 2-point mounting as well as central 1-point mounting. Projector head can be swivelled on the mounting bracket by single-point mounting. Securing of swivel position by toothed locks. Projector head and mounting bracket are fully assembled on delivery. Post mounting for single and multiple arrangements is possible by means of accessories. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. With asymmetric medium wide light distribution. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. Luminaire luminous flux and light color fixed, with luminous flux stabilization at end of life (CLO). LED system consists of 6 MLT LED modules each with 4 LEDs. Luminaire luminous flux 5100 lm, connected load 32 W, maximum luminous efficiency of luminaire 159 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Available on request also in a Tunable White version (2200 K – 4000 K). general colour rendering index (CRI) R_a > 70. Colour locus tolerance (initial MacAdam) ≤ 5 SDCM. Mean rated service life LCLO (t_q 25 °C) = 100,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Luminaire body and cover support of die-cast aluminium. Cover of flat non-laminated safety glass fixed in frame. Luminaire body (main colour) and fixing bracket (additional colour) in contrasting colours. Primary colour anthracite (similar to DB 703), additional colour silver-grey (similar to RAL 9006). Luminaire housing highly weather resistant, powder-coated. Further colour variants possible from RAL or DB colour codes. Dimensions (L x W): 503 mm x 390 mm, height 240 mm. Ball-impact-resistance according to DIN 18032-3. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK09. Permissible ambient temperature (ta): -40 °C to 25 °C. Windage area fw . Weight: 8,0 kg. With electronic control gear unit, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority. Luminaire available for 10 years, spare parts (LED module, control gear unit, optical system) for 15 years from date of invoice, subject to reasonable modifications in the interests of progress.

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

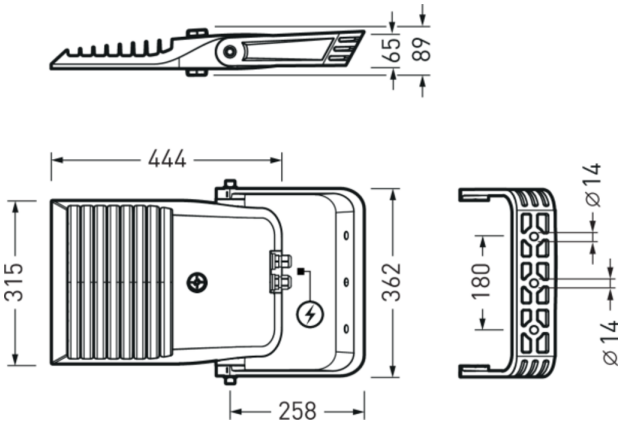
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005038-00
C	SL-B7T2N80L3EU

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

LnPlus 40-AM19L/5100-740 6G1 ETDD

TOC: 8120951



Product features and key data

Applications	Accent lighting|Building sites|Container areas|Storage locations|Parks|Sports fields|Tennis courts	
Luminaire type	LED floodlight for wide-area illumination.	
Light sources	LED system consists of 6 MLT LED modules each with 4 LEDs.	
Mounting method	Mounting bracket|Directional mounting|Surface-mounting	
Luminaire optic	As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations.	
Light distribution curve	asym. mittelbreitstr. (AM19L)	
FWHM	31 °	
Light Engine	CLO initial value	CLO end value
Colour temperature	4000 K	4000 K
Rated luminous flux	5100 lm	5100 lm
Connected load	32,00 W	34,00 W
Luminous efficacy	159 lm/W	150 lm/W
Rated service life	LCLO (25 °C) = 100.000 h	
Colour rendering index	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Distance to Risk Group 1	460 mm	
Luminaire colour	DB703 / RAL9006	
Luminaire body	Luminaire body and cover support of die-cast aluminium. Cover of flat non-laminated safety glass fixed in frame.	
Electrical version	With electronic control gear unit, digitally dimmable (DALI).	
DALI-2-Standard EN 62386	Yes	
Surge voltage resistance (differential mode)	6 kV	
Surge voltage resistance (common mode)	10 kV	
Connection method	Plug-in terminal	
Number of DALI addresses	1	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Mains voltage	220 - 240 V	
Mains frequency	50/60 Hz	
Total harmonic distortion < %	10 %	
Protection rating	IP66	
Protection class	I	
Impact resistance (IK)	IK09	
Hot wire resistance	960 °C	
Ambient temperature	-40 - 25 °C	
Max. Luminaires B10	6	
Max. Luminaires B16	10	
Max. Luminaires C10	10	
Max. Luminaires C16	16	

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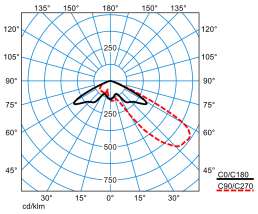
Net length	503 mm
Net width	390 mm
Net height	240 mm
Weight	8,0 kg

Light Engine Data

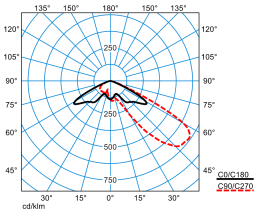
Light Engine	Color temperature	Rated light current	Power supply value Type	Luminous efficacy
CLO initial value	4000 K	5100 lm	32,00 W	159 lm/W
CLO end value	4000 K	5100 lm	34,00 W	150 lm/W

light distribution curve



LnPlus 40-AM19L/5100-740 6G1 ETDD (CLO initial value)

DIN 5040: A30
UTE: 1.00 J
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 26 78 99 100 100



LnPlus 40-AM19L/5100-740 6G1 ETDD (CLO end value)

DIN 5040: A30
UTE: 1.00 J
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 26 78 99 100 100

Available accessories

Material	Description
MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
0805 Traverse A 1/76 1xLnPlus 40 8287700	Cross-arm for mounting one LED projector LnPlus 40. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 1/89 1xLnPlus 40 8287800	Cross-arm for mounting one LED projector LnPlus 40. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 3/76 3xLnPlus 40/60 8288100	Cross-arm for mounting three LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 3/89 3xLnPlus 40/60 8288200	Cross-arm for mounting three LED projectors. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 3/108 3xLnPlus 40/60 8288300	Cross-arm for mounting three LED projectors. Bracket-mounting for poles with a pole spigot diameter of Ø 108 mm.
0805 Traverse A 2/76/180° 2xLnPlus 40/60 8288400	Cross-arm for mounting two LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 2/89/180° 2xLnPlus 40/60 8288500	Cross-arm for mounting two LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.

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0805 Traverse A 4/76 4x LnPlus 40/60 8288700	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 4/89 4x LnPlus 40/60 8288800	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 4/108 4x LnPlus 40/60 8288900	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 108 mm.
0805 Traverse S2 2/89 2x LnPlus 40 8289000	Cross-arm for mounting two LED projectors LnPlus 40. Post-top mounting for posts with post spigot diameter Ø 89 mm.
0805 Traverse S2 2/108 2x LnPlus 40 8289100	Cross-arm for mounting two LED projectors LnPlus 40. Post-top mounting for posts with post spigot diameter Ø 108 mm.
0805 Traverse S1 1/76 1x LnPlus 40/60 8289400	Cross-arm for mounting one LED projector LnPlus 40/60. Post-top mounting for posts with post spigot diameter Ø 76 mm.
0805 Traverse S1 1/89 1x LnPlus 40/60 8289500	Cross-arm for mounting one LED projector LnPlus 40/60. Post-top mounting for posts with post spigot diameter Ø 89 mm.
MLT ZAH MF sw p4 8508900	Rear shielding for MLT IQ lens systems.

Offer text

LED floodlight for wide-area illumination. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. Die-cast aluminium mounting bracket. The sturdy mounting bracket with 3 holes enables 2-point mounting as well as central 1-point mounting. Projector head can be swivelled on the mounting bracket by single-point mounting. Securing of swivel position by toothed locks. Projector head and mounting bracket are fully assembled on delivery. Post mounting for single and multiple arrangements is possible by means of accessories. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. With asymmetric medium wide light distribution. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. Luminaire luminous flux and light color fixed, with luminous flux stabilization at end of life (CLO). LED system consists of 6 MLT LED modules each with 4 LEDs. Luminaire luminous flux 5100 lm, connected load 32 W, maximum luminous efficiency of luminaire 159 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Available on request also in a Tunable White version (2200 K – 4000 K). general colour rendering index (CRI) R_a > 70. Colour locus tolerance (initial MacAdam) ≤ 5 SDCM. Mean rated service life LCLO (t_q 25 °C) = 100,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Luminaire body and cover support of die-cast aluminium. Cover of flat non-laminated safety glass fixed in frame. Luminaire body (main colour) and fixing bracket (additional colour) in contrasting colours. Primary colour anthracite (similar to DB 703), additional colour silver-grey (similar to RAL 9006). Luminaire housing highly weather resistant, powder-coated. Further colour variants possible from RAL or DB colour codes. Dimensions (L x W): 503 mm x 390 mm, height 240 mm. Ball-impact-resistance according to DIN 18032-3. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK09. Permissible ambient temperature (ta): -40 °C to 25 °C. Windage area fw . Weight: 8,0 kg. With electronic control gear unit, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority. Luminaire available for 10 years, spare parts (LED module, control gear unit, optical system) for 15 years from date of invoice, subject to reasonable modifications in the interests of progress.

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005038-00
C	SL-B7T2N80L3EU

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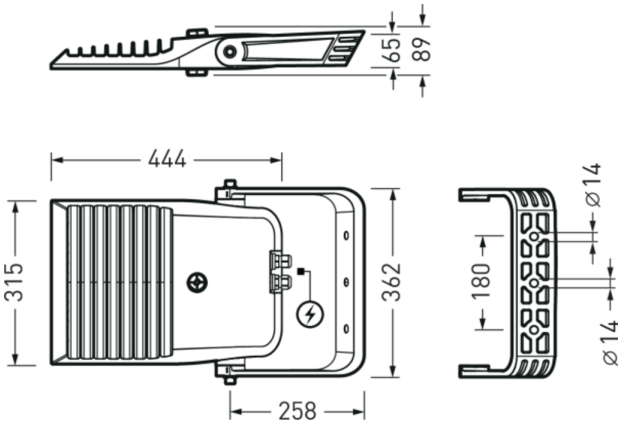
LnPlus 40-AB7L/3200-740 4G1 ETDD

TOC: 8135751



Product features and key data

Applications	Accent lighting|Building sites|Container areas|Storage locations|Parks|Sports fields|Tennis courts	
Luminaire type	LED floodlight for wide-area illumination.	
Light sources	LED system consists of 4 MLT LED modules each with 4 LEDs.	
Mounting method	Mounting bracket|Directional mounting|Surface-mounting	
Luminaire optic	As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations.	
Light distribution curve	asymmetric wide (AB7L)	
FWHM	154 °	
Light Engine	CLO initial value	CLO end value
Colour temperature	4000 K	4000 K
Rated luminous flux	3200 lm	3200 lm
Connected load	21,00 W	22,00 W
Luminous efficacy	152 lm/W	145 lm/W
Rated service life	LCLO (25 °C) = 100.000 h	
Colour rendering index	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Distance to Risk Group 1	460 mm	
Luminaire colour	DB703 / RAL9006	
Luminaire body	Luminaire body and cover support of die-cast aluminium. Cover of flat non-laminated safety glass fixed in frame.	
Electrical version	With electronic control gear unit, digitally dimmable (DALI).	
DALI-2-Standard EN 62386	Yes	
Surge voltage resistance (differential mode)	6 kV	
Surge voltage resistance (common mode)	10 kV	
Connection method	Plug-in terminal	
Number of DALI addresses	1	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Mains voltage	220 - 240 V	
Mains frequency	50/60 Hz	
Total harmonic distortion < %	10 %	
Protection rating	IP66	
Protection class	I	
Impact resistance (IK)	IK09	
Hot wire resistance	960 °C	
Ambient temperature	-40 - 25 °C	
Max. Luminaires B10	12	
Max. Luminaires B16	20	
Max. Luminaires C10	20	
Max. Luminaires C16	33	

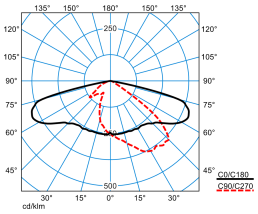
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Net length	503 mm
Net width	390 mm
Net height	240 mm
Weight	8,0 kg

Light Engine Data

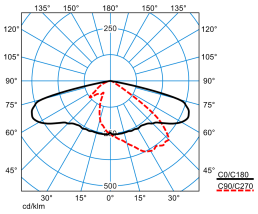
Light Engine	Color temperature	Rated light current	Power supply value Type	Luminous efficacy
CLO initial value	4000 K	3200 lm	21,00 W	152 lm/W
CLO end value	4000 K	3200 lm	22,00 W	145 lm/W

light distribution curve



LnPlus 40-AB7L/3200-740 4G1 ETDD (CLO initial value)

DIN 5040: A30
UTE: 1.00 E
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 39 76 98 100 100



LnPlus 40-AB7L/3200-740 4G1 ETDD (CLO end value)

DIN 5040: A30
UTE: 1.00 E
DLOR: 100 %
ULOR: 0 %
CEN Flux Code: 39 76 98 100 100

Available accessories

Material	Description
MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
0805 Traverse S1 1/89 1x LnPlus 40/60 8289500	Cross-arm for mounting one LED projector LnPlus 40/60. Post-top mounting for posts with post spigot diameter Ø 89 mm.
0805 Traverse S1 1/76 1x LnPlus 40/60 8289400	Cross-arm for mounting one LED projector LnPlus 40/60. Post-top mounting for posts with post spigot diameter Ø 76 mm.
0805 Traverse S2 2/108 2x LnPlus 40 8289100	Cross-arm for mounting two LED projectors LnPlus 40. Post-top mounting for posts with post spigot diameter Ø 108 mm.
0805 Traverse S2 2/89 2x LnPlus 40 8289000	Cross-arm for mounting two LED projectors LnPlus 40. Post-top mounting for posts with post spigot diameter Ø 89 mm.
0805 Traverse A 4/108 4x LnPlus 40/60 8288900	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 108 mm.
0805 Traverse A 4/89 4x LnPlus 40/60 8288800	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 4/76 4x LnPlus 40/60 8288700	Cross-arm for mounting four LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.

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0805 Traverse A 2/89/180° 2xLnPlus 40/60 8288500	Cross-arm for mounting two LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 2/76/180° 2xLnPlus 40/60 8288400	Cross-arm for mounting two LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 3/108 3xLnPlus 40/60 8288300	Cross-arm for mounting three LED projectors. Bracket-mounting for poles with a pole spigot diameter of Ø 108 mm.
0805 Traverse A 3/89 3xLnPlus 40/60 8288200	Cross-arm for mounting three LED projectors. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 3/76 3xLnPlus 40/60 8288100	Cross-arm for mounting three LED projectors LnPlus 40/60. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
0805 Traverse A 1/89 1xLnPlus 40 8287800	Cross-arm for mounting one LED projector LnPlus 40. Bracket-mounting for poles with a pole spigot diameter of Ø 89 mm.
0805 Traverse A 1/76 1xLnPlus 40 8287700	Cross-arm for mounting one LED projector LnPlus 40. Bracket-mounting for poles with a pole spigot diameter of Ø 76 mm.
MLT ZAH MF sw p4 8508900	Rear shielding for MLT IQ lens systems.

Offer text

LED floodlight for wide-area illumination. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. Die-cast aluminium mounting bracket. The sturdy mounting bracket with 3 holes enables 2-point mounting as well as central 1-point mounting. Projector head can be swivelled on the mounting bracket by single-point mounting. Securing of swivel position by toothed locks. Projector head and mounting bracket are fully assembled on delivery. Post mounting for single and multiple arrangements is possible by means of accessories. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. With asymmetric wide light distribution. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. Luminaire luminous flux and light color fixed, with luminous flux stabilization at end of life (CLO). LED system consists of 4 MLT LED modules each with 4 LEDs. Luminaire luminous flux 3200 lm, connected load 21 W, maximum luminous efficiency of luminaire 152 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, Available on request also in a Tunable White version (2200 K – 4000 K). general colour rendering index (CRI) R_a > 70. Colour locus tolerance (initial MacAdam) ≤ 5 SDCM. Mean rated service life LCLO (t_q 25 °C) = 100,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Luminaire body and cover support of die-cast aluminium. Cover of flat non-laminated safety glass fixed in frame. Luminaire body (main colour) and fixing bracket (additional colour) in contrasting colours. Primary colour anthracite (similar to DB 703), additional colour silver-grey (similar to RAL 9006). Luminaire housing highly weather resistant, powder-coated. Further colour variants possible from RAL or DB colour codes. Dimensions (L x W): 503 mm x 390 mm, height 240 mm. Ball-impact-resistance according to DIN 18032-3. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK09. Permissible ambient temperature (ta): -40 °C to 25 °C. Windage area fw . Weight: 8,0 kg. With electronic control gear unit, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority. Luminaire available for 10 years, spare parts (LED module, control gear unit, optical system) for 15 years from date of invoice, subject to reasonable modifications in the interests of progress.

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

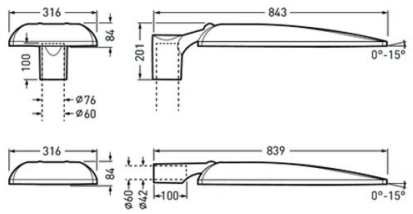
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005018-00
C	SL-B7T1N60L3EU

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Jovie70-AM3L8-100-740-ETDD-DAH-05

TOC: 9002542932

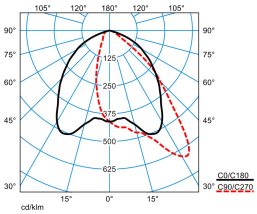


Product features and key data

Series	Jovie 70	
Mounting method	Pole neck / pole top	
Anzahl MLT-Module je 4 LED	8	
Light distribution	AM3L	
Condition Lighting	CLO initial value	CLO end value
Power supply value	66 W	69 W
Power factor	0,90	
Colour temperature	4000 K	4000 K
Rated light current	10.000 lm	10.000 lm
Luminous efficiency	151 lm/W	144 lm/W
Interchangeability lightsource	Yes - interchangeable	
Rated life L80/B50 25°C	100.000 h	
Colour rendering indx	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Colour	RAL9005 Jet black	
Material housing	Aluminium	
Switching type	Electr trnsfmr DALI DIM(ETDD)	
Dimming DALI-2	Yes	
Surge voltage resistance diffM	6 kV	
Surge voltage resistance ComMo	10 kV	
Connection method	Connection cable	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Rated frequency	50/60 Hz	
Bemessungsspannung	220 - 240 V	
Total harmonic distortion	10 %	
Protection rating	IP66	
Protection class	II	
Impact resistance	IK09	
Glow wire resistance	650 °C	
Ambient temperature	25 °C	
Max. Luminaires B10	6	
Max. Luminaires B16	10	
Max. Luminaires C10	10	
Max. Luminaires C16	16	
Net length	680 mm	
Net width	316 mm	
Net height	80 mm	
Weight	8,6 kg	

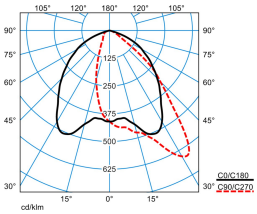
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



Jovie 70-AM3L-8-100-740-CLO-B

DIN 5040 = A50
CEN flux code = 60 89 99 100 100
UGR l = 0,0
UGR q = 0,0
UTE = 1.00 C



Jovie 70-AM3L-8-100-740-CLO-E

DIN 5040 2 = A50
CEN flux code = 60 89 99 100 100
UGR l 2 = 0,0
UGR q 2 = 0,0
UTE 2 = 1.00 C

Available accessories

	Material	Description
	MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
	0803/2/76-200-42/180° N5° 6824200	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-200-42/120° N5° 6824300	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/2/76-200-60/180° N5° 6824500	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-350-60/120° N5° 6824900	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	Jovie Z TA/0 7661100	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version without inclination.
	Jovie Z TA/15 7661200	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version with 15° inclination angle.
	MLT ZAS G4 p4 7851000	Lateral shielding for MLT IQ lens systems. Accessories for retrofitting in technical and decorative outdoor luminaires with lens optics ABxL, AMxL, SB3L, RBxL.
	Jovie Z MB D60 05 8079900	Post mounting for luminaires from the Jovie series 50/70. Colour deep black, similar to RAL 9005, highly weather resistant..
	0970/60 Reduction Piece 2223400	Reduction piece of stainless steel. Post spigot Ø 60 mm.
	Jovie A Z MB D42 05 8081200	Post mounting for luminaires from the Jovie series 50/70. Colour deep black, similar to RAL 9005, highly weather resistant..
	0803WB-R/100-42 05 8081300	Decorative wall mounting made of cast aluminium. Colour deep black, highly weather resistant, (similar to RAL 9005).

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Jovie Z MB D76 05
8081600

Post mounting for luminaires from the Jovie series 50/70. Colour deep black, similar to RAL 9005, highly weather resistant..

Jovie A Z MB D60 05
8081700

Post mounting for luminaires from the Jovie series 50/70. Colour deep black, similar to RAL 9005, highly weather resistant..

Offer text

Versatile outdoor post luminaire in minimalist, international design with flat construction. With an intelligent label for quick access to luminaire information by means of QR code. Large version, length of luminaire head 680 mm. To be used as a post-top luminaire (spigot measurement Ø76 mm/ Ø60 mm) or bracket-mounted luminaire (spigot measurement Ø42 mm/ Ø60 mm) in combination with the post fixing to be ordered separately.. The inclination of the luminaire head can be adjusted. Inclination angle for bracket-mounting o°, -5°, -10°, -15°. Inclination angle for post-top mounting 0°, 5°, 10°, 15°.. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. Asymmetric medium wide light distribution for planar lighting, e.g. parking lots and storage areas. Vertical light distribution 35°.Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. The light source can be replaced by skilled personnel. The LED system consists of MLT LED modules with 4 LEDs each. Number of modules: 8. Luminaire luminous flux 10.000 lm, connected load 66,0 W, luminous efficiency of luminaire 151 lm/W. Power factor λ 0,90. Efficiency version with material-optimised number of LEDs. General Colour rendering index (CRI) > 70, correlated colour temperature (CCT) 4000 K. Further LED light colours available on request. Nominal rated service life LCLO (tq 25 °C) 100.000. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body of die-cast aluminium. Colour RAL9005 Jet black. Sea weather-suitable coating on request. With PMMA cover, printed. The cover can be individually printed on customer request. Visible label protected against weather impact behind the cover on request. Safety class (EN 61140): 02, protection rating (DIN EN 60529): 66, impact resistance level in accordance with IEC 62262: IK09. Mast available upon request. Windage area Fw (m²) = 0,22. Weight: 8,6 kg. The luminaire is connected without opening the luminaire body by means of the connection cable routed to the outside. The operating device can be replaced by qualified personnel. Length of connection cable: 10 m. With electronic transformer, digitally dimmable (DALI). Parametrierbares Vorschaltgerät mit Lichtstromkonstanthaltung (CLO). Connected load at the end of service life: 69,00 W. Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is compliant with requirements of applicable EU guidelines and product safety legislation(CE label). In addition, the luminaire is ENEC-certified by an independent testing centre. Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m²) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

Planning information:
The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m ^{2}) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.
Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005058-00
C	SL-B7T3N80L3EU

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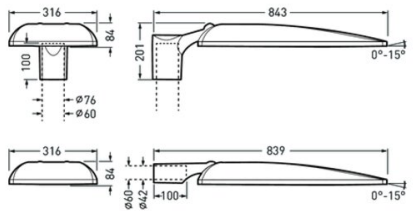
Jovie70-AM3L8-100-740-ETDD-DAH-05

TOC: 9002542932

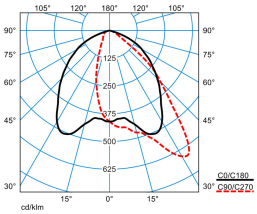


Product features and key data

Series	Jovie 70	
Mounting method	Pole neck / pole top	
Anzahl MLT-Module je 4 LED	8	
Light distribution	AM3L	
Condition Lighting	CLO initial value	CLO end value
Power supply value	66 W	69 W
Power factor	0,90	
Colour temperature	4000 K	4000 K
Rated light current	10.000 lm	10.000 lm
Luminous efficiency	151 lm/W	144 lm/W
Interchangeability lightsource	Yes - interchangeable	
Rated life L80/B50 25°C	100.000 h	
Colour rendering indx	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Colour	RAL9005 Jet black	
Material housing	Aluminium	
Switching type	Electr trnsfmr DALI DIM(ETDD)	
Dimming DALI-2	Yes	
Surge voltage resistance diffM	6 kV	
Surge voltage resistance ComMo	10 kV	
Connection method	Connection cable	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Rated frequency	50/60 Hz	
Bemessungsspannung	220 - 240 V	
Total harmonic distortion	10 %	
Protection rating	IP66	
Protection class	II	
Impact resistance	IK09	
Glow wire resistance	650 °C	
Ambient temperature	25 °C	
Max. Luminaires B10	6	
Max. Luminaires B16	10	
Max. Luminaires C10	10	
Max. Luminaires C16	16	
Net length	680 mm	
Net width	316 mm	
Net height	80 mm	
Weight	8,6 kg	

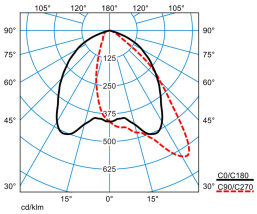
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



Jovie 70-AM3L-8-100-740-CLO-B

DIN 5040 = A50
CEN flux code = 60 89 99 100 100
UGR l = 0,0
UGR q = 0,0
UTE = 1.00 C



Jovie 70-AM3L-8-100-740-CLO-E

DIN 5040 2 = A50
CEN flux code = 60 89 99 100 100
UGR l 2 = 0,0
UGR q 2 = 0,0
UTE 2 = 1.00 C

Available accessories

	Material	Description
	MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
	0803/2/76-200-42/180° N5° 6824200	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-200-42/120° N5° 6824300	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/2/76-200-60/180° N5° 6824500	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-350-60/120° N5° 6824900	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	Jovie Z TA/0 7661100	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version without inclination.
	Jovie Z TA/15 7661200	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version with 15° inclination angle.
	MLT ZAS G4 p4 7851000	Lateral shielding for MLT IQ lens systems. Accessories for retrofitting in technical and decorative outdoor luminaires with lens optics ABxL, AMxL, SB3L, RBxL.
	Jovie Z MB D60 05 8079900	Post mounting for luminaires from the Jovie series 50/70. Colour deep black, similar to RAL 9005, highly weather resistant..
	0970/60 Reduction Piece 2223400	Reduction piece of stainless steel. Post spigot Ø 60 mm.
	Jovie A Z MB D42 05 8081200	Post mounting for luminaires from the Jovie series 50/70. Colour deep black, similar to RAL 9005, highly weather resistant..
	0803WB-R/100-42 05 8081300	Decorative wall mounting made of cast aluminium. Colour deep black, highly weather resistant, (similar to RAL 9005).

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Jovie Z MB D76 05
8081600

Post mounting for luminaires from the Jovie series 50/70. Colour deep black, similar to RAL 9005, highly weather resistant..

Jovie A Z MB D60 05
8081700

Post mounting for luminaires from the Jovie series 50/70. Colour deep black, similar to RAL 9005, highly weather resistant..

Offer text

Versatile outdoor post luminaire in minimalist, international design with flat construction. With an intelligent label for quick access to luminaire information by means of QR code. Large version, length of luminaire head 680 mm. To be used as a post-top luminaire (spigot measurement Ø76 mm/ Ø60 mm) or bracket-mounted luminaire (spigot measurement Ø42 mm/ Ø60 mm) in combination with the post fixing to be ordered separately.. The inclination of the luminaire head can be adjusted. Inclination angle for bracket-mounting o°, -5°, -10°, -15°. Inclination angle for post-top mounting 0°, 5°, 10°, 15°.. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. Asymmetric medium wide light distribution for planar lighting, e.g. parking lots and storage areas. Vertical light distribution 35°.Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. The light source can be replaced by skilled personnel. The LED system consists of MLT LED modules with 4 LEDs each. Number of modules: 8. Luminaire luminous flux 10.000 lm, connected load 66,0 W, luminous efficiency of luminaire 151 lm/W. Power factor λ 0,90. Efficiency version with material-optimised number of LEDs. General Colour rendering index (CRI) > 70, correlated colour temperature (CCT) 4000 K. Further LED light colours available on request. Nominal rated service life LCLO (tq 25 °C) 100.000. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body of die-cast aluminium. Colour RAL9005 Jet black. Sea weather-suitable coating on request. With PMMA cover, printed. The cover can be individually printed on customer request. Visible label protected against weather impact behind the cover on request. Safety class (EN 61140): 02, protection rating (DIN EN 60529): 66, impact resistance level in accordance with IEC 62262: IK09. Mast available upon request. Windage area Fw (m²) = 0,22. Weight: 8,6 kg. The luminaire is connected without opening the luminaire body by means of the connection cable routed to the outside. The operating device can be replaced by qualified personnel. Length of connection cable: 10 m. With electronic transformer, digitally dimmable (DALI). Parametrierbares Vorschaltgerät mit Lichtstromkonstanthaltung (CLO). Connected load at the end of service life: 69,00 W. Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is compliant with requirements of applicable EU guidelines and product safety legislation(CE label). In addition, the luminaire is ENEC-certified by an independent testing centre. Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m²) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

Planning information:
The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m ^{2}) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.
Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

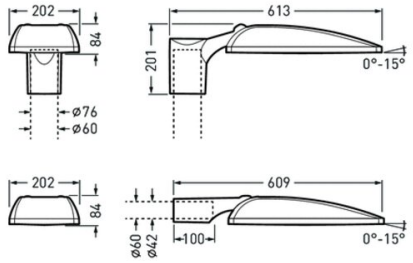
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005058-00
C	SL-B7T3N80L3EU

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Jovie50-AB7L4-24-740-ETDD-BAH-26

TOC: 9002289721

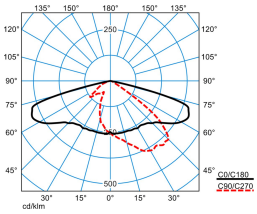


Product features and key data

Series	Jovie 50	
Mounting method	Pole neck / pole top	
Anzahl MLT-Module je 4 LED	4	
Light distribution	AB7L	
Condition Lighting	CLO initial value	CLO end value
Power supply value	15,50 W	16,50 W
Power factor	0,90	
Colour temperature	4000 K	4000 K
Rated light current	2.400 lm	2.400 lm
Luminous efficiency	154 lm/W	145 lm/W
Interchangeability lightsource	Yes - interchangeable	
Rated life L80/B50 25°C	100.000 h	
Colour rendering indx	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Colour	DB703 micaceous iron oxide	
Material housing	Aluminium	
Switching type	Electr trnsfmr DALI DIM(ETDD)	
Dimming DALI-2	Yes	
Surge voltage resistance diffM	6 kV	
Surge voltage resistance ComMo	10 kV	
Connection method	Connection cable	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Rated frequency	50/60 Hz	
Bemessungsspannung	220 - 240 V	
Total harmonic distortion	10 %	
Protection rating	IP66	
Protection class	II	
Impact resistance	IK09	
Glow wire resistance	650 °C	
Ambient temperature	25 °C	
Max. Luminaires B10	12	
Max. Luminaires B16	20	
Max. Luminaires C10	20	
Max. Luminaires C16	33	
Net length	450 mm	
Net width	202 mm	
Net height	80 mm	
Weight	4,2 kg	

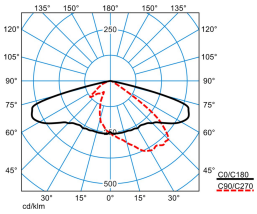
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



Jovie 50-AB7L-4-24-740-CLO-B

DIN 5040 = A30
CEN flux code = 39 77 99 100 100
UGR l = 0,0
UGR q = 0,0
UTE = 1.00 E



Jovie 50-AB7L-4-24-740-CLO-E

DIN 5040 2 = A30
CEN flux code = 39 77 99 100 100
UGR l 2 = 0,0
UGR q 2 = 0,0
UTE 2 = 1.00 E

Available accessories

	Material	Description
	MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
	0803/2/76-200-42/180° N5° 6824200	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-200-42/120° N5° 6824300	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/2/76-200-60/180° N5° 6824500	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-350-60/120° N5° 6824900	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	Jovie Z MB D76 26 7256600	Post mounting for luminaires from the Jovie series 50/70. Of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated.
	Jovie A Z MB D42 26 7256500	Post mounting for luminaires from the Jovie series 50/70. Colour anthracite, similar to DB703 with metal effect, highly weather resistant.
	Jovie A Z MB D60 26 7372000	Post mounting for luminaires from the Jovie series 50/70. Colour anthracite, similar to DB703 with metal effect, highly weather resistant.
	Jovie Z MB D60 26 7372100	Post mounting for luminaires from the Jovie series 50/70. Of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated.
	0803WB-R/100-42 26 7353000	Decorative wall mounting made of cast aluminium. Colour anthracite, with metal effect, highly weather resistant, (similar to DB 703).
	Jovie Z TA/0 7661100	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version without inclination.
	Jovie Z TA/15 7661200	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version with 15° inclination angle.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

MLT ZAS G4 p4
7851000

Lateral shielding for MLT IQ lens systems. Accessories for retrofitting in technical and decorative outdoor luminaires with lens optics ABxL, AMxL, SB3L, RBxL.

0970/60 Reduction Piece
2223400

Reduction piece of stainless steel. Post spigot Ø 60 mm.

Offer text

Versatile outdoor post luminaire in minimalist, international design with flat construction. With an intelligent label for quick access to luminaire information by means of QR code. Compact version, length of luminaire head 450mm. To be used as a post-top luminaire (spigot measurement Ø76 mm/ Ø60 mm) or bracket-mounted luminaire (spigot measurement Ø42 mm/ Ø60 mm) in combination with the post fixing to be ordered separately.. The inclination of the luminaire head can be adjusted. Inclination angle for bracket-mounting o°, -5°, -10°, -15°. Inclination angle for post-top mounting 0°, 5°, 10°, 15°.. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. Asymmetric wide luminous intensity distribution for illumination of roads according to M lighting classes with a road width-to-light point ratio of up to 1.7. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. The light source can be replaced by skilled personnel. The LED system consists of MLT LED modules with 4 LEDs each. Number of modules: 4. Luminaire luminous flux 2.400 lm, connected load 15,5 W, luminous efficiency of luminaire 154 lm/W. Power factor λ 0,90. Efficiency version with material-optimised number of LEDs. General Colour rendering index (CRI) > 70, correlated colour temperature (CCT) 4000 K. Further LED light colours available on request. Nominal rated service life LCLO (tq 25 °C) 100.000. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body of die-cast aluminium. Colour DB703 micaceous iron oxide. Sea weather-suitable coating on request. With PMMA cover, printed. The cover can be individually printed on customer request. Visible label protected against weather impact behind the cover on request. Safety class (EN 61140): 02, protection rating (DIN EN 60529): 66, impact resistance level in accordance with IEC 62262: IK09. Mast available upon request. Windage area Fw (m²) = 0,10. Weight: 4,2 kg. The luminaire is connected without opening the luminaire body by means of the connection cable routed to the outside. The operating device can be replaced by qualified personnel. Length of connection cable: 6 m. With electronic transformer, digitally dimmable (DALI). Parametrierbares Vorschaltgerät mit Lichtstromkonstanthaltung (CLO). Connected load at the end of service life: 16,50 W. Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is compliant with requirements of applicable EU guidelines and product safety legislation(CE label). In addition, the luminaire is ENEC-certified by an independent testing centre. Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m²) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

Planning information:
The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m ^{2}) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.
Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

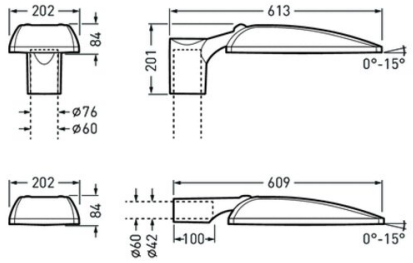
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005018-00
C	SL-B7T1N60L3EU

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Jovie50-AB7L4-24-740-ETDD-BAH-26

TOC: 9002289721

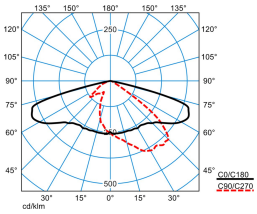


Product features and key data

Series	Jovie 50	
Mounting method	Pole neck / pole top	
Anzahl MLT-Module je 4 LED	4	
Light distribution	AB7L	
Condition Lighting	CLO initial value	CLO end value
Power supply value	15,50 W	16,50 W
Power factor	0,90	
Colour temperature	4000 K	4000 K
Rated light current	2.400 lm	2.400 lm
Luminous efficiency	154 lm/W	145 lm/W
Interchangeability lightsource	Yes - interchangeable	
Rated life L80/B50 25°C	100.000 h	
Colour rendering indx	70	
Colour tolerance	5 SDCM	
Photobiological class	Group 2 - no risk	
Colour	DB703 micaceous iron oxide	
Material housing	Aluminium	
Switching type	Electr trnsfmr DALI DIM(ETDD)	
Dimming DALI-2	Yes	
Surge voltage resistance diffM	6 kV	
Surge voltage resistance ComMo	10 kV	
Connection method	Connection cable	
Dimming range	20 - 100 %	
Monitoring Ready	Yes	
Rated frequency	50/60 Hz	
Bemessungsspannung	220 - 240 V	
Total harmonic distortion	10 %	
Protection rating	IP66	
Protection class	II	
Impact resistance	IK09	
Glow wire resistance	650 °C	
Ambient temperature	25 °C	
Max. Luminaires B10	12	
Max. Luminaires B16	20	
Max. Luminaires C10	20	
Max. Luminaires C16	33	
Net length	450 mm	
Net width	202 mm	
Net height	80 mm	
Weight	4,2 kg	

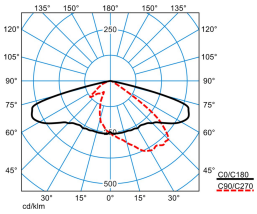
All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



Jovie 50-AB7L-4-24-740-CLO-B

DIN 5040 = A30
CEN flux code = 39 77 99 100 100
UGR l = 0,0
UGR q = 0,0
UTE = 1.00 E



Jovie 50-AB7L-4-24-740-CLO-E

DIN 5040 2 = A30
CEN flux code = 39 77 99 100 100
UGR l 2 = 0,0
UGR q 2 = 0,0
UTE 2 = 1.00 E

Available accessories

	Material	Description
	MLT ZAH p4 6818500	Rear shielding for MLT IQ lens systems.
	0803/2/76-200-42/180° N5° 6824200	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-200-42/120° N5° 6824300	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/2/76-200-60/180° N5° 6824500	Bracket of welded, galvanised steel tube for mounting 2 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	0803/3/76-350-60/120° N5° 6824900	Bracket of welded, galvanised steel tube for mounting 3 bracket-mounted luminaires. For posts with post spigot Ø 76 mm.
	Jovie Z MB D76 26 7256600	Post mounting for luminaires from the Jovie series 50/70. Of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated.
	Jovie A Z MB D42 26 7256500	Post mounting for luminaires from the Jovie series 50/70. Colour anthracite, similar to DB703 with metal effect, highly weather resistant.
	Jovie A Z MB D60 26 7372000	Post mounting for luminaires from the Jovie series 50/70. Colour anthracite, similar to DB703 with metal effect, highly weather resistant.
	Jovie Z MB D60 26 7372100	Post mounting for luminaires from the Jovie series 50/70. Of die-cast aluminium. Anthracite colour, similar to DB703 with metal effect, highly weather resistant, powder-coated.
	0803WB-R/100-42 26 7353000	Decorative wall mounting made of cast aluminium. Colour anthracite, with metal effect, highly weather resistant, (similar to DB 703).
	Jovie Z TA/0 7661100	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version without inclination.
	Jovie Z TA/15 7661200	Cross-arm mount for post-top luminaire Jovie 50/70 with post fixing MB D60.... Spigot measurement Ø 60 mm. Version with 15° inclination angle.

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MLT ZAS G4 p4
7851000

Lateral shielding for MLT IQ lens systems. Accessories for retrofitting in technical and decorative outdoor luminaires with lens optics ABxL, AMxL, SB3L, RBxL.

0970/60 Reduction Piece
2223400

Reduction piece of stainless steel. Post spigot Ø 60 mm.

Offer text

Versatile outdoor post luminaire in minimalist, international design with flat construction. With an intelligent label for quick access to luminaire information by means of QR code. Compact version, length of luminaire head 450mm. To be used as a post-top luminaire (spigot measurement Ø76 mm/ Ø60 mm) or bracket-mounted luminaire (spigot measurement Ø42 mm/ Ø60 mm) in combination with the post fixing to be ordered separately.. The inclination of the luminaire head can be adjusted. Inclination angle for bracket-mounting o°, -5°, -10°, -15°. Inclination angle for post-top mounting 0°, 5°, 10°, 15°.. As MLT version (Multi-Lens Technology), consisting of highly efficient UV and temperature-resistant lens systems in 4-fold configurations. Asymmetric wide luminous intensity distribution for illumination of roads according to M lighting classes with a road width-to-light point ratio of up to 1.7. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. The light source can be replaced by skilled personnel. The LED system consists of MLT LED modules with 4 LEDs each. Number of modules: 4. Luminaire luminous flux 2.400 lm, connected load 15,5 W, luminous efficiency of luminaire 154 lm/W. Power factor λ 0,90. Efficiency version with material-optimised number of LEDs. General Colour rendering index (CRI) > 70, correlated colour temperature (CCT) 4000 K. Further LED light colours available on request. Nominal rated service life LCLO (tq 25 °C) 100.000. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body of die-cast aluminium. Colour DB703 micaceous iron oxide. Sea weather-suitable coating on request. With PMMA cover, printed. The cover can be individually printed on customer request. Visible label protected against weather impact behind the cover on request. Safety class (EN 61140): 02, protection rating (DIN EN 60529): 66, impact resistance level in accordance with IEC 62262: IK09. Mast available upon request. Windage area Fw (m²) = 0,10. Weight: 4,2 kg. The luminaire is connected without opening the luminaire body by means of the connection cable routed to the outside. The operating device can be replaced by qualified personnel. Length of connection cable: 6 m. With electronic transformer, digitally dimmable (DALI). Parametrierbares Vorschaltgerät mit Lichtstromkonstanthaltung (CLO). Connected load at the end of service life: 16,50 W. Control gear unit according to DALI-2 standard (EN 62386). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is compliant with requirements of applicable EU guidelines and product safety legislation(CE label). In addition, the luminaire is ENEC-certified by an independent testing centre. Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m²) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.With Trilux after-sales promise: the luminaire is available for 10 years and spare parts (LED module, control gear unit and optical system) are available for 15 years from date of invoice. The right to make reasonable modifications in the interests of progress is reserved.

Planning information:
The luminaire is compliant to the requirements of EN 60598 and is designed for the effects of wind compliant to EN 1991 (Eurocode) with basic wind velocity of up to 30m/s (corresponding to wind zone 4 in Germany) in terrain category 1. A snow load (up to 1kN/m ^{2}) and icing (up to 2 cm) at a mounting height in accordance with the mounting instructions are taken into account. Not considered are exposed locations (e.g. bridges, installation on buildings or directly adjacent to railway tracks). Impact loads are not considered.
Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

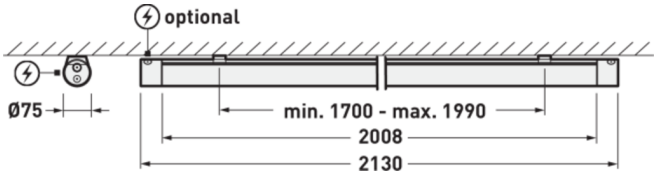
EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
C	86005018-00
C	SL-B7T1N60L3EU

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Tugra 21 PXW 50-840 ET PC 23

TOC: 7985340



Product features and key data

Luminaire type	Multi-variable and modern tube luminaire with 75 mm profile diameter.
Mounting method	Surface-mounting|Suspension
Luminaire optic	Cylindrical profile with photometrically effective prismatic structure as secondary optic.
Light distribution curve	Extreme Wide (XW)
FWHM	151,60 °
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	5000 lm
Connected load	40,00 W
Luminous efficacy	125 lm/W
Rated service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire profile made of polycarbonate (PC).
Electrical version	With electronic transformer, switchable.
Connection method	Plug-in terminal
Mains voltage	220 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
IFS label	Yes
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK10
Hot wire resistance	850 °C
Ambient temperature	-25 - 35 °C
Max. Luminaires B10	18
Max. Luminaires B16	30
Max. Luminaires C10	31
Max. Luminaires C16	51
Net length	2.130 mm
Net width	75 mm
Net height	75 mm
Outside diameter	75 mm
Weight	4,4 kg

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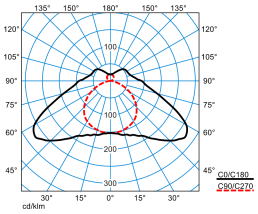
light distribution curve



Tugra 21 PXW 50-840 ET PC 23

UGR I = 17,5
UGR q = 23,8
DIN 5040: B21
UTE: 0.79 I + 0.21 T
DLOR: 79 %
ULOR: 21 %
CEN Flux Code: 32 64 87 79 100 17 42 69 21

Available accessories

	Material	Description
	Tugra ZLV/515/21 8117600	Through-wiring, 5-core. For luminaires from seriesTugra 21... .
	Tugra ZLV/315/21 8117500	Through-wiring, 3-core. For luminaires from seriesTugra 21... .
	ZAR/03 7002400	Ceiling canopy, square, silver grey.
	ZAR/01 7002300	Ceiling canopy, square, white.
	Tugra ZBRS PA 03 6000664100	Tube clip for wall and ceiling mounting. Made of polyamide. Resistant to UV radiation and ageing. impact resistance level in accordance with IEC 62262: IK10. Length 105 mm, Width 39 mm, height 116 mm.
	Profil Tugra 21 PXX PC Ersatz 8493600	Replacement profile for Tugra 21 PXX PC... . Length: 2047 mm.
	Tugra ZSST/2000 8118900	Wire suspension for luminaires of series Tugra. With loop for ceiling suspension. With metal clamp for use of triangle.
	Tugra ZBATL 8118500	Disassembly protection for horizontal wall mounting. Length 60,5 mm, Width 40,4 mm, height 20 mm.
	Tugra ZB V4A 8118400	Stainless steel mounting clips (2 pieces, V4A) for wall and ceiling fixing with triangle for holding components for suspended mounting. Length 47,5 mm, Width 30 mm, height 23 mm.
	Tugra ZB V2A Ersatz 8118300	Standard stainless steel mounting clips (2 pieces, V2A) for wall and ceiling fixing with triangle for holding components for suspended mounting.
	Tugra ZBWM 8118200	Pivotable mounting brackets for wall or ceiling mounting. Length 76 mm, Width 87 mm, height 108 mm.
	Tugra ZBRS 8118100	Tube clip for wall and ceiling mounting and also suitable for suspended mounting by means of separate accessories. Length 125 mm, Width 25 mm, height 90 mm.
	Tugra ZSSD/2000 8118000	Wire suspension for luminaires of series Tugra. With loop for ceiling suspension. With threaded sleeve for attachment to the mounting clip.
	Tugra ZSDD/2000 8117900	Wire suspension for luminaires of series Tugra. With decorative ceiling connection. With threaded sleeve for attachment to the mounting clip.
	Tugra ZSDT/2000 8117800	Wire suspension for luminaires of series Tugra. With decorative ceiling connection. With metal clamp for use of triangle.

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Tugra ZLK PC 05 8102000	PC coupler short. Colour black (similar to RAL 9005).
Tugra ZLK PC 01 8101800	PC coupler short. Colour white (similar to RAL 9016).
Tugra ZLK PC 23 8101700	PC coupler short. Colour light grey (similar to RAL 7035).
Tugra BLP 2008 PXX PC 8101400	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 2047 mm, Width 75 mm, height 75 mm.
Tugra BLP 1727 PXX PC 8101000	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1766 mm, Width 75 mm, height 75 mm.
Tugra BLP 1446 PXX PC 8100600	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1485 mm, Width 75 mm, height 75 mm.
Tugra BLP 1165 PXX PC 8100200	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 1204 mm, Width 75 mm, height 75 mm.
Tugra BLP 884 PXX PC 8099800	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 923 mm, Width 75 mm, height 75 mm.
Tugra BLP 603 PXX PC 8099400	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 642 mm, Width 75 mm, height 75 mm.
Tugra BLP 322 PXX PC 8099000	Blank module for continuous line applications. With prismatic (underside) and opal (top) cover made of impact-resistant PC. Length 361 mm, Width 75 mm, height 75 mm.
Tugra LMB Beacon 165 PC 05 8098400	Smart module beacon for continuous line applications. Colour black.
Tugra LMB Beacon 165 PC 01 8098200	Smart module beacon for continuous line applications. Module length 165 mm.
Tugra LMB Beacon 165 PC 23 8098100	Smart module beacon for continuous line applications. Colour light grey.
Tugra LMB DMM 165 PC 05 8097600	Smart module for continuous row applications With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 165 mm.
Tugra LMB DMM 165 PC 01 8097400	Smart module for continuous row applications With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 165 mm.
Tugra LMB DMM 165 PC 23 8097300	Smart module for continuous row applications With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 165 mm.
Tugra LMB DMR 165 PC 05 8096800	Smart module for continuous row applications With LiveLink SwarmSens receiver equipment. Module length 165 mm.
Tugra LMB DMR 165 PC 01 8096600	Smart module for continuous row applications With LiveLink SwarmSens receiver equipment. Module length 165 mm.
Tugra LMB DMR 165 PC 23 8096500	Smart module for continuous row applications With LiveLink SwarmSens receiver equipment. Module length 165 mm.
Tugra LMB HFS ETDD 165 PC 05 8096000	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour black.

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Tugra LMB HFS ETDD 165 PC 01 8095800	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour white.
Tugra LMB HFS ETDD 165 PC 23 8095700	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour light grey.
Tugra LMB HFS ET 165 PC 05 8095200	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour black.
Tugra LMB HFS ET 165 PC 01 8095000	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour white.
Tugra LMB HFS ET 165 PC 23 8094900	Smart module for continuous row applications. With integrated HF motion sensor. Module length 165 mm. Colour light grey.
Tugra LMB 165 PC 05 8094400	PC coupler long. Surface coated black (similar to RAL 9005)
Tugra LMB 165 PC 01 8094200	PC coupler long. Surface coated white (similar to RAL 9016)
Tugra LMB 165 PC 23 8094100	PC coupler long. Surface coated light grey (similar to RAL 7035)
Tugra LME MP 260 8094000	Universal mounting plates made of sheet steel.
Tugra LME MP 260 01 8093900	Universal mounting plates made of sheet steel. powder-coated white, similar to RAL 9016
Tugra LME Beacon 130 PC 05 8093400	Smart module beacon for single luminaire application and continuous line ends. Colour black.
Tugra LME Beacon 130 PC 01 8093200	Smart module beacon for single luminaire application and continuous line ends. Colour white.
Tugra LME Beacon 130 PC 23 8093100	Smart module beacon for single luminaire application and continuous line ends. Colour light grey.
Tugra LME DMM 130 PC 05 8092600	Smart module for single luminaire applications. With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 150 mm.
Tugra LME DMM 130 PC 01 8092400	Smart module for single luminaire applications. With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 150 mm.
Tugra LME DMM 130 PC 23 8092300	Smart module for single luminaire applications. With HF sensor and LiveLink SwarmSens transmitter equipment. Module length 150 mm.
Tugra LME DMR 130 PC 05 8091800	Smart module for single luminaire applications. With LiveLink SwarmSens receiver equipment. Module length 150 mm.
Tugra LME DMR 130 PC 01 8091600	Smart module for single luminaire applications. With LiveLink SwarmSens receiver equipment. Module length 150 mm.
Tugra LME DMR 130 PC 23 8091500	Smart module for single luminaire applications. With LiveLink SwarmSens receiver equipment. Module length 150 mm.
Tugra LME HFS ETDD 130 PC 05 8090600	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour black.

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Tugra LME HFS ETDD 130 PC 01 8090400	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour white.
Tugra LME HFS ETDD 130 PC 23 8090300	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour light grey.
Tugra LME HFS ET 130 PC 05 8089800	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour black.
Tugra LME HFS ET 130 PC 01 8089600	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour white.
Tugra LME HFS ET 130 PC 23 8089500	Smart module for single luminaire applications. With integrated HF motion sensor. Module length 150 mm. Colour light grey.
Tugra Ks 58 PC 05 Set Ersatz 8089000	End cap made of thermoplastically fused PC / TPE with high-quality, matt surface structure and surface finish according to VDI30. The end cap is equipped with 3 self-sealing membranes for cable cross-sections 7 mm - 13 mm as well as 3 pre-stamped feed points for PG cable glands (M20/M25) for protection rating-compliant infeed (IP66). Colour black.
Tugra Ks 58 PC 01 Set Ersatz 8088800	End cap made of thermoplastically fused PC / TPE with high-quality, matt surface structure and surface finish according to VDI30. The end cap is equipped with 3 self-sealing membranes for cable cross-sections 7 mm - 13 mm as well as 3 pre-stamped feed points for PG cable glands (M20/M25) for protection rating-compliant infeed (IP66). Colour white.
Tugra Ks 58 PC 23 Set Ersatz 8088700	End cap made of thermoplastically fused PC / TPE with high-quality, matt surface structure and surface finish according to VDI30. The end cap is equipped with 3 self-sealing membranes for cable cross-sections 7 mm - 13 mm as well as 3 pre-stamped feed points for PG cable glands (M20/M25) for protection rating-compliant infeed (IP66). Colour light grey.
ZAE/03 515 4691800	Ceiling canopy for connection of the 5-pole mains cable in case of ceiling outlets. Square, silver-grey.
ZAE/01 515 4691700	Ceiling canopy for connection of the 5-pole mains cable in case of ceiling outlets. Square, white.
Tugra T-Connector Alu 23 9830100	T-connector for the mechanical connection of three luminaires in a continuous line application. Made of aluminium, with matt surface structure. Colour light grey.
Tugra I-Connector Alu 23 9830000	I-connector for the mechanical connection of two luminaires in a continuous line application. Made of aluminium, with matt surface structure. Colour light grey.
Tugra X-Connector Alu 23 9829800	X-connector for the mechanical connection of four luminaires in a continuous line application. Made of aluminium, with matt surface structure. Colour light grey.
Tugra L-Connector Alu 23 9829500	L-connector for the mechanical connection of two luminaires in a continuous line application. Made of aluminium, with matt surface structure. Colour light grey.
ZAA/03 4601800	Ceiling canopy, round. Colour silver-grey.
ZAA/01 4601700	Ceiling canopy, round. Colour white.

Offer text

Multi-variable and modern tube luminaire with 75 mm profile diameter. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. For wall and ceiling mounting. Standard stainless steel mounting clips (2 pieces, V2A) with triangle included in the scope of supply. Optional accessories enable further mounting concepts. As single luminaire or for continuous line use. The continuous mounting channel of the luminaire body enables very high flexibility in positioning the fixing points. The packaging is made of recyclable cardboard, plastic-free. Multiple packaging with 28 luminaires as well as project packaging with 108 luminaires per packaging unit further reduce the general consumption of resources in the overall process. Cylindrical profile with photometrically effective prismatic structure as secondary optic. With opal profile area above and translucent profile area below the mounting channel. With symmetric extremely wide light distribution. With mainly direct light distribution. With slight indirect component for surface illumination. Luminaire luminous flux and light color fixed. Luminaire luminous flux 5000 lm, connected load 40 W, maximum luminous efficiency of luminaire 125 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire profile made of polycarbonate (PC). End cap colour gray (similar to RAL 7035). End cap made of thermoplastically fused PC / TPE with high-quality, matt surface structure and surface finish according to VDI30. The end cap is equipped with 3 self-sealing membranes for cable cross- sections 7 mm - 13 mm as well as 3 pre-stamped feed points for PG cable glands

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

(M20/M25) for protection rating-compliant infeed (IP66). The end cap is connected to the profile cylinder via a bayonet lock. Standard end caps included. Luminaire length 2130 mm, Luminaire height 75 mm, Ø Luminaire body 75 mm. The gear tray is fixed to the luminaire profile with transparent devices to avoid shadowing. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK10, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. Permissible ambient temperature (ta): -25 °C to 35 °C. Weight: 4,4 kg. The connection is made by means of a plug-in terminal with mains forwarding equipment. The barrier free cable duct inside the luminaire profile facilitates the insertion of optional through-wiring or alternative uses, e.g. installing network cables. With electronic transformer, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The ENEC certification by an independent testing laboratory is in preparation. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority. Luminaire available for 10 years, spare parts (LED module, control gear unit, optical system) for 15 years from date of invoice, subject to reasonable modifications in the interests of progress.

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	SI-B8T14B560EU
D	86002101-00
D	SI-B8T07B280EU
D	86002129-00
C	LMC-T-44-200-840-B01-L56W2
C	85403334
C	LMC-T-22-110-840-B01-L28W2
C	85403306

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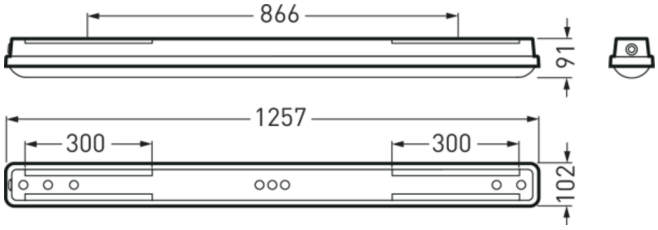
OleveonF 12 B 4000-840 ETDD PC

TOC: 7118251

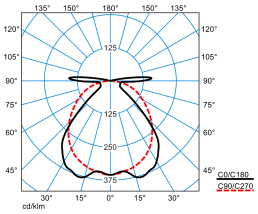


Product features and key data

Applications	Damp rooms|canopied outdoor areas
Luminaire type	Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser.
Mounting method	Suspension|Surface-mounting
Luminaire optic	Polycarbonate diffuser with inner prism structure.
Light distribution curve	Wide (W)
FWHM	89,60 °
Light Engine	standard product
Colour temperature	4000 K
Rated luminous flux	3900 lm
Connected load	28,00 W
Luminous efficacy	139 lm/W
Rated service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL7035 Light grey
Luminaire body	Luminaire body made of recyclable, UV-resistant PC.
Electrical version	With electronic transformer, digitally dimmable (DALI).
DALI-2-Standard EN 62386	Yes
Connection method	Plug-in terminal
Touch-Dim-capable	Yes
Monitoring Ready	Yes
Mains voltage	230 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
IFS label	Yes
Protection rating	IP66
Protection rating on room side	IP66
Protection class	I
Impact resistance (IK)	IK08
Hot wire resistance	850 °C
Ambient temperature	-20 - 35 °C
Net length	1.257 mm
Net width	102 mm
Net height	91 mm
Weight	2,2 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve



OleveonF 12 B 4000-840 ETDD PC

UGR I = 23,5
UGR q = 18,9
DIN 5040: A40
UTE: 0.93 D + 0.07 T
DLOR: 93 %
ULOR: 7 %
CEN Flux Code: 56 85 95 93 100 0 0 11 7

Available accessories

	Material	Description
	ZBSB 1,0m 6923200	Steel strip suspension, 1 pair, rust-free, length 1.0 m, for weather-proof luminaires.
	Theft protection, set for 1 luminaire 6923300	Theft protection for LED surface-mounted weather-proof luminaire.
	ZBMC 6923400	Mounting accessories for Nextrema 4000-8... / Nextrema 6000-8... / Oleveon Fit / Aragon Fit. Bracket for suspended mounting.
	OleveonF ZLV/525/12 7129700	Through-wiring, 5-core.
	Wanne AragF/OleveonF 12 PC Ersatz 7129900	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.2 PC. Length 1252 mm, Width 97 mm, height 44 mm.
	Wanne AragF/OleveonF 12 PMMA Ersatz 7130000	Replacement diffuser for Surface-mounted damp-proof luminaire OleveonF 1.2 PMMA. Length 1252 mm, Width 97 mm, height 44 mm.
	7650IP OleveonF Dali L150 01 7342500	Gear tray for E-Line 7651 for integration of a weather-proof luminaire of type OleveonFit / AragonFit in a continuous line application (OleveonF 12... 1257 mm / AragonF 12...1257 mm). The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray. Colour white (similar to RAL 9016). Dimensions (L x W x H): 1474 mm x 79 mm x 60 mm.
	7650IP OleveonF Dali L150 03 7342600	Gear tray for E-Line 7651 for integration of a weather-proof luminaire of type OleveonFit / AragonFit in a continuous line application (OleveonF 12... 1257 mm / AragonF 12...1257 mm). The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray. Colour silver gray (similar to RAL 9006). Dimensions (L x W x H): 1474 mm x 79 mm x 60 mm.
	7650IP OleveonF Dali L150 05 7342700	Gear tray for E-Line 7651 for integration of a weather-proof luminaire of type OleveonFit / AragonFit in a continuous line application (OleveonF 12... 1257 mm / AragonF 12...1257 mm). The clamps for tool-free quick mounting of the luminaire are mounted on the gear tray. Colour black (similar to RAL 9005). Dimensions (L x W x H): 1474 mm x 79 mm x 60 mm.
	ZBWM wall mounting accessory, 2 units 7425600	Pivotable mounting bracket for wall or ceiling mounting of LED weather-proof luminaires 1 set.

Offer text

Surface-mounted weatherproof LED luminaire in IP66 with PC luminaire body and PC diffuser. Suitable for use in HACCP, IFS and/or BRC Global Standard Food certified companies. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24. With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. For ceiling, wall and suspended mounting. Ceiling mounting using included fixing clips. Suspended mounting possible via optional accessories. Polycarbonate diffuser with inner prism structure. With symmetric wide light intensity distribution. Luminaire luminous flux and light color fixed. Luminaire luminous flux 3900 lm, connected load 28 W, maximum luminous efficiency of luminaire 139 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) R_a > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM. Mean rated service life L80 (t_q 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM ≤ 1.0 at full load. Stroboscopic effect: SVM ≤ 0.4 at full load. Luminaire body made of recyclable, UV-resistant PC. Surface coated light grey (similar to RAL 7035). With clipless catch technology for protection rating-compliant and simple assembly of diffuser cover and luminaire body after electrical connection. Dimensions (L x W): 1257 mm x 102 mm, luminaire height 91 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 850 °C. Permissible ambient temperature (ta): -20 °C to 35 °C. Weight: 2,2 kg. With 5-pole terminal to 2.5 mm^2 . With electronic transformer, digitally dimmable (DALI). Control gear unit according to DALI-2 standard (EN 62386). Luminaire is switchable and dimmable by means of touch functionality via DALI control terminals (Touch DIM). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire is monitoring-ready (MOR), supplies luminaire data for monitoring or for predictive maintenance and is therefore compatible to the TRILUX Monitoring Services. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

Accessories for the series:
For horizontal wall mounting of the luminaire it is mandatory to install the ZBATL accessory (theft protection). ZBATL2, TOC 69 23 300

Disassembly instructions (PDF) for the product available at: https://www.trilux.com/EcoDesign

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
D	SI-B8T14B560EU
D	86002101-00
C	LMC-T-44-200-840-B01-L56W2
C	85403334

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

TECHNICAL SHEET

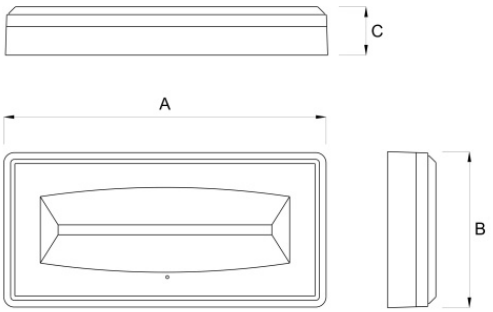
Emergency luminaire

CRISTAL EVO

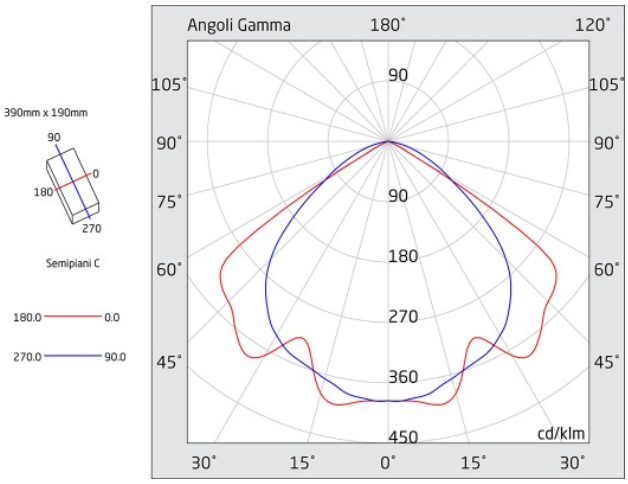
Item code **CE2002**

Descriptive code **CE11000IGS-SC**

IP65 IK08



A=380mm B=180mm C=58mm



Luminaire description

- CRISTAL EVO 560LM L IP65 SPY CENTER

Technical characteristics

- Function:Spy Center (centralized supply with supervision via powerline communication)
- Type:L (Lighting)
- Flux in permanent mode: 560lm
- Power supply: 230Vac, 216-240Vdc
- Input power (230Vac): 5,1W
- Apparent power (230Vac): 9,4VA
- Input power (240Vdc): 5,3W
- Apparent power (240Vdc): 5,5VA
- Insulation class: II
- Protection degree: IP65
- Protection degree against mechanical impacts: IK08
- Working temperature: -25°C to +40°C
- Colour: Grey
- Signaling visibility with pictogram (EN 1838): 21 m
- Compliant to European standards: EN 60598-1, EN 60598-2-22, EN 61347-1, EN 61347-2-7, EN 61347-2-13, EN 62031, EN 62384
- Photobiological safety exempt group according to EN 62471
- Compliant to RoHS2 2011/65/UE
- Glow wire 850 °C
- Installation: wall, ceiling, flag-style*, track*, busbar*, recessed*, 45° bracket* (* with accessory)
- 5 year warranty

Light source characteristics

- Type: LED
- Lamps: 20 LED
- Color temperature: 6000K

CRISTAL EVO

Item code **CE2002**

Descriptive code **CE11000IGS-SC**

Standard mounting accessories

A203

AESTHETIC FRAME FOR CRISTAL

Mounting accessories

A004

SIGNALLING KIT CRISTAL EVO

A005

BUSBAR KIT

A006

PLASTERBOARD AND FALSE CEILING FASTENING KIT

A013

PROTECTIVE GRID

A019

WALL BOX RECESSED INSTALLATION CRISTAL

A047

KIT FOR FLAG-STYLE FASTENING

A092

CLASP FOR FIXING AT 45 DEGREES

A310

WHITE ELECTRIFIED TRACK ADAPTER

A328

LARGE RAIN PROTECTION IN STAINLESS STEEL

A367

BLACK ELECTRIFIED TRACK ADAPTER

Pictograms

A146

PICTOGRAM FOR CRISTAL ARROW LEFT

A147

PICTOGRAM FOR CRISTAL ARROW RIGHT

CRISTAL EVO

Item code	**CE2002**
Descriptive code	**CE11000IGS-SC**

A148

PICTOGRAM FOR CRISTAL ARROW DOWN

TECHNICAL SHEET

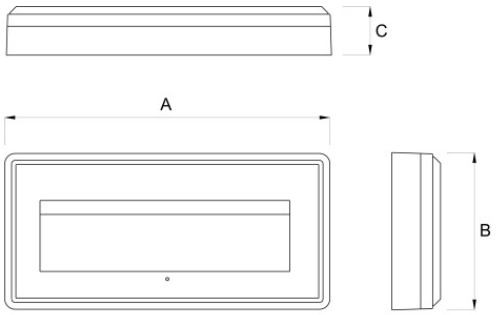
Emergency luminaire

CRISTAL WALL

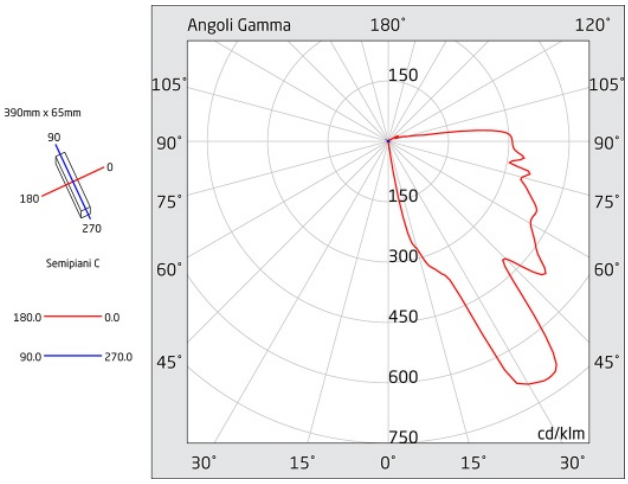
Item code **CW2005**

Descriptive code **CW24000IGS-SC-HH**

IP65



A=380mm B=180mm C=58mm



Luminaire description

- CRISTAL WALL 1200LM L IP65 SPY CENTER

Technical characteristics

- Function:Spy Center (centralized supply with supervision via powerline communication)
- Type:L (Lighting)
- Flux in permanent mode: 1200lm
- Power supply: 230Vac, 216-240Vdc
- Input power (230Vac): 13,5W
- Apparent power (230Vac): 21,0VA
- Input power (240Vdc): 13,5W
- Apparent power (240Vdc): 14,0VA
- Insulation class: II
- Protection degree: IP65
- Working temperature: -25°C to +40°C
- Colour: Grey
- Compliant to European standards: EN 60598-1, EN 60598-2-22, EN 61347-1, EN 61347-2-7, EN 61347-2-13, EN 62031, EN 62384
- Photobiological safety exempt group according to EN 62471
- Compliant to RoHS2 2011/65/UE
- Glow wire 850 °C
- Installation: wall, recessed* (* with accessory)
- 5 year warranty

Light source characteristics

- Type: LED
- Lamps: 40 LED
- Color temperature: 6000K

CRISTAL WALL

Item code **CW2005**

Descriptive code **CW24000IGS-SC-HH**

Standard mounting accessories

A203

AESTHETIC FRAME FOR CRISTAL

Mounting accessories

A006

PLASTERBOARD AND FALSE CEILING FASTENING KIT

A013

PROTECTIVE GRID

A019

WALL BOX RECESSED INSTALLATION CRISTAL

A328

LARGE RAIN PROTECTION IN STAINLESS STEEL

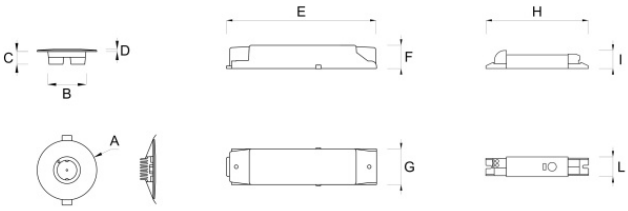
TECHNICAL SHEET

Emergency luminaire

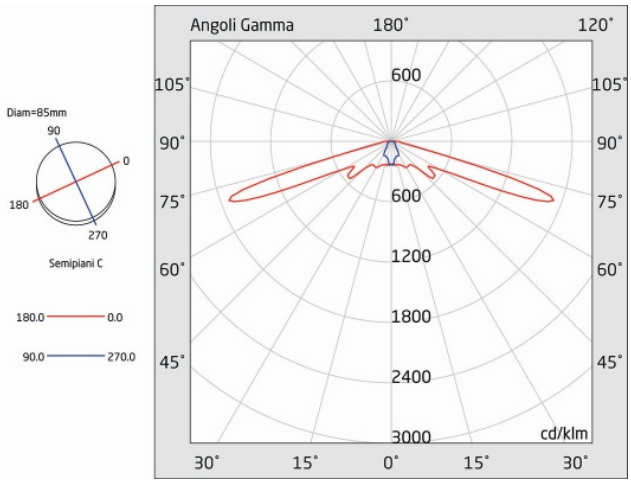
VIALED EVO

Item code	**VE2001**
Descriptive code	**VE03000IBS-SC**
Lens	**asymmetrical**

IP42 IP20



A=85mm B=55mm C=18mm D=3mm
E=175mm F=27mm G=46mm
H=120mm I=23mm L=23mm
Ø=65mm



Luminaire description

- VIALED EVO WHITE 360LM L SPY CENTER D85

Technical characteristics

- Optics: standard height
- Function:Spy Center (centralized supply with supervision via powerline communication)
- Type:L (Lighting)
- Flux in permanent mode: 345lm
- Power supply: 230Vac, 216-240Vdc
- Input power (230Vac): 4,5W
- Apparent power (230Vac): 9,3VA
- Input power (240Vdc): 4,4W
- Apparent power (240Vdc): 4,7VA
- Insulation class: II
- Protection degree: IP42 (from the bottom), IP20 (from the top)
- Working temperature: -5°C to +40°C
- Colour: White - RAL 9003
- Compliant to European standards: EN 60598-1, EN 60598-2-22, EN 61347-1, EN 61347-2-7, EN 61347-2-13, EN 62031, EN 62384
- Compliant to RoHS2 2011/65/UE
- Glow wire 850 °C
- Installation: recessed, ceiling* (* with accessory)
- 5 year warranty

Light source characteristics

- Type: LED
- Lamps: 1 LED
- Color temperature: 6000K

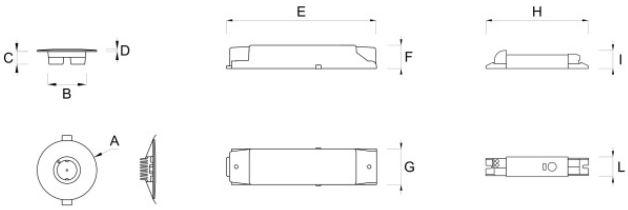
TECHNICAL SHEET

Emergency luminaire

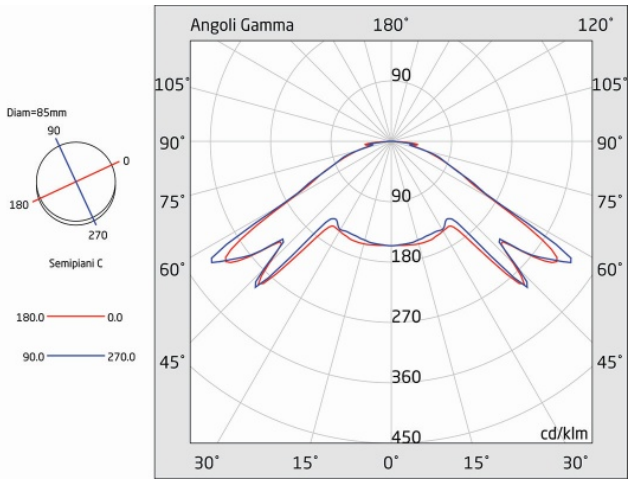
VIALED EVO

Item code	**VE2001**
Descriptive code	**VE03000IBS-SC**
Lens	**symmetrical**

IP42 IP20 IK07



A=85mm B=55mm C=18mm D=3mm
E=175mm F=27mm G=46mm
H=120mm I=23mm L=23mm
Ø=65mm



Luminaire description

- VIALED EVO WHITE 360LM L SPY CENTER D85

Technical characteristics

- Optics: standard height
- Function:Spy Center (centralized supply with supervision via powerline communication)
- Type:L (Lighting)
- Flux in permanent mode: 358lm
- Power supply: 230Vac, 216-240Vdc
- Input power (230Vac): 4,5W
- Apparent power (230Vac): 9,3VA
- Input power (240Vdc): 4,4W
- Apparent power (240Vdc): 4,7VA
- Insulation class: II
- Protection degree: IP42 (from the bottom), IP20 (from the top)
- Protection degree against mechanical impacts: IK07
- Working temperature: -5°C to +40°C
- Colour: White - RAL 9003
- Compliant to European standards: EN 60598-1, EN 60598-2-22, EN 61347-1, EN 61347-2-7, EN 61347-2-13, EN 62031, EN 62384
- Compliant to RoHS2 2011/65/UE
- Glow wire 850 °C
- Installation: recessed, ceiling* (* with accessory)
- 5 year warranty

Light source characteristics

- Type: LED
- Lamps: 1 LED
- Color temperature: 6000K

VIALED EVO

Item code **VE2001**

Descriptive code **VE03000IBS-SC**

Mounting accessories

A095

CLASP FOR CEILING FASTENING VIALED WHITE

A320

SIGNALING KIT